SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Quint, Wilhelmus
 Van Doorn, Leendert
- (ii) TITLE OF INVENTION: Probes, methods and kits for detection and typing of Helicobacter pylori nucleic acids in biological samples.
- (iii) NUMBER OF SEQUENCES: 280
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Knobbe, Martens, Olson & Bear, LLP
 - (B) STREET: 620 Newport Center Drive, 16th Floor
 - (C) CITY: Newport Beach
 - (D) STATE: CA
 - (E) COUNTRY: USA
 - (F) ZIP: 92660
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Altman, Daniel E.
 - (B) REGISTRATION NUMBER: 34,115
 - (C) REFERENCE/DOCKET NUMBER: INNOG2.001APC
- (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (949) 760-0404
 - (B) TELEFAX: (949) 760-9395
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: EP96/870131.8
 - (B) FILING DATE: 16-OCT-1996
- (A) APPLICATION NUMBER: PCT/EP97/05614
- (B) FILING DATE: 10-OCT-1997
- (2) INFORMATION FOR SEQ ID NO: 1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO

	=	÷		
:		2		
:		3		
:	1	-		•
:				
	:	2		
	i	-		
	:			
,		=	4	
	:	than,	1	
			Sec.	
	:	2	i	
	:		=	
		2	=	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:	
GTTGATAACG CTGTCGCTTC	20
(2) INFORMATION FOR SEQ ID NO: 2:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
GGAGCRTTRG TCAGCATCAC	20
(2) INFORMATION FOR SEQ ID NO: 3:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
GCTTTAGTAG GAGCRTTRGT C	21
(2) INFORMATION FOR SEQ ID NO: 4:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 20 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single	

(ii) M	MOLECULE TYPE: DNA (genomic)	
(iii) H	HYPOTHETICAL: NO	
(iv) A	ANTI-SENSE: NO	
(xi) S	SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
GGAGCGTTGA	A TTAGYKCCAT	20
(2) INFOR	MATION FOR SEQ ID NO: 5:	
(i) S	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA (genomic)	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: NO	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
GTTTTAGCA	AG GAGCGTTGA	19
(2) INFOR	RMATION FOR SEQ ID NO: 6:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA (genomic)	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: NO	

(D) TOPOLOGY: linear

20

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

GCTAAYACGC CAAAYGATCC

1...1 1...1 Pr

ij

I

: 💆

١Đ

10

H 4

<u></u>

(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 9:	
GGGTAATGG	T GGTTTCAACA	20
(2) INFOR	MATION FOR SEQ ID NO: 10:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA (genomic)	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: NO	
/	SEQUENCE DESCRIPTION: SEQ ID NO: 10:	
		21
	AA GAGTGAATGG C	21
	RMATION FOR SEQ ID NO: 11:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA (genomic)	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: NO	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 11:	
AGAGCGATA	AA CGGGCTAAAC A	21
(2) INFO	RMATION FOR SEQ ID NO: 12:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

à

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:	
TTGACCAACA ACCACAAACC GAAG	24
(2) INFORMATION FOR SEQ ID NO: 13:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:	
CTTCCCTTAA TTGCGAGATT CC	22
(2) INFORMATION FOR SEQ ID NO: 14:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:	_
CCTGARACCG TTCCTACAGC	20
(2) INFORMATION FOR SEQ ID NO: 15:	
(:) SEQUENCE CUMPACTEDISTICS.	

	(iii)	HYPOTHETICAL: NO
	(iv)	ANTI-SENSE: NO
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 15:
	GTGGATGC	YC ATACRGCTWA
	(2) INFO	RMATION FOR SEQ ID NO: 16:
ALL HER THE BEHALD IN	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: DNA (genomic)
i	(iii)	HYPOTHETICAL: NO
i d	(iv)	ANTI-SENSE: NO
TO 4 4"1 4	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 16:
	RTGAGCTT	GT TGATATTGAC
	(2) INFO	RMATION FOR SEQ ID NO: 17:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: DNA (genomic)
	(iii)	HYPOTHETICAL: NO
	(iv)	ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:

(A) LENGTH: 20 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

20 20

4

L.11 1L.1

Щ

ال ال

١Ô

....

4

(iii) HYPOTHETICAL: NO

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:	
	GATTGGTTTT TGATCAGGAT C	21
•	(2) INFORMATION FOR SEQ ID NO: 21:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 20 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	
å	(iii) HYPOTHETICAL: NO	
Kr J., 451 mg 45. 6,3 kg	(iv) ANTI-SENSE: NO	
ļ	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:	
Ō	GATAAGAAYG ATAGGGATAA	20
	(2) INFORMATION FOR SEQ ID NO: 22:	20
H- 4"H H- 4"	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:	
	AATACTGATT CTTTTTGG	18
	(2) INFORMATION FOR SEQ ID NO: 23:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 20 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:

GTGGATGCCC ATACGATCAA

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

20

20

20

		(A) LENGTH: 20 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii)) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi)) SEQUENCE DESCRIPTION: SEQ ID NO: 26:	
1	GCGAGCGG	CTC ATACGGTCAA	20
	(2) INFO	DRMATION FOR SEQ ID NO: 27:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
<u>.</u>	(ii)	MOLECULE TYPE: DNA (genomic)	
6 6	(iii)	HYPOTHETICAL: NO	
-1 -1	(iv)	ANTI-SENSE: NO	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 27:	
	GGATTTTT	GA TCGCTTTATT	20
	(2) INFO	RMATION FOR SEQ ID NO: 28:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: NO	

(2) INFORMATION FOR SEQ ID NO: 26:

(i) SEQUENCE CHARACTERISTICS:

	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 28:	
	GGGYTATT	GG TYAGCATCAC	20
	(2) INFO	RMATION FOR SEQ ID NO: 29:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
<u>.</u>	(iv)	ANTI-SENSE: NO	
an think there is			
gun L	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 29:	
Man her	GCTTTAGT	RG GGYTATTGGT	20
Ì	(2) INFO	RMATION FOR SEQ ID NO: 30:	
Carl He Ton them H	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
i i	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: NO	
	/vi\	SEQUENCE DESCRIPTION: SEQ ID NO: 30:	
		GG TAATGGTGG	
			19
		RMATION FOR SEQ ID NO: 31:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

(ii) MOLECULE TYPE: DNA (genomic)

	(iv) ANTI-SENSE: NO	•
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 31:	,
	KGGTAATGGT GGTTTCAACA	20
	(2) INFORMATION FOR SEQ ID NO: 32:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
4 1	(ii) MOLECULE TYPE: DNA (genomic)	
13	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
ı.	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 32:	
Chin Chin	KGGTAATGGT GGTTTCAACA	20
1	(2) INFORMATION FOR SEQ ID NO: 33:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	•
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 33:	0-
	AGAGCGATAA YGGKCTAAAC A	21
	(2) INFORMATION FOR SEQ ID NO: 34:	
	(i) SEQUENCE CHARACTERISTICS:	

(iii) HYPOTHETICAL: NO

(A) LENGTH: 21 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 34:	
AGGGTAGAAA TGGTATCGAC A	21
(2) INFORMATION FOR SEQ ID NO: 35:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 35:	
CATGCYGCCT TCTTTACAAC CGT	23
(2) INFORMATION FOR SEQ ID NO: 36:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

Charles and the first first

4

P C C

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 36:

4

13

: 4

ΙΦ

4

....

=

4

	À
	1H 1H
:	
:	<u>.</u>
:	TH TH
:	ų.
:	₫
:	
	≟
	IJ
	Щ
	Ė
	7
	=

(iv) ANTI-SENSE: NO

•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 39:	
AGTCGCGCYT TTTTYACAAC CGT	23
(2) INFORMATION FOR SEQ ID NO: 40:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 184 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	,
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 40:	
CCCTCTGGTT TCTCTCGCTT TAGTAGGAGC ATTGGTCAGC ATCACACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGGTATCG CTACAGGCAC	120
CGCTGTAGGA ACGGTCTCAG GGCTTCTTAG TTGGGGACTA AAACAAGCCG AAGAAGCCAA	180
TAAA	184
(2) INFORMATION FOR SEQ ID NO: 41:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 199 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

60

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 41:

TCGCCCTCTN GTTTCTCTCG CTTTAGTAGN AGCATTNGTC AGCATCACAC CGCAACANAG

TCATGCCGCC TTTTTCACAA CCGTNATCAT TCCAGCCATT GTTGGGGGTA TNGCTACAGG	120		
CACCGCTGTA GGAACGGTCT CAGGGCTTCT TAGTTGGGGA CTAAAACAAG CCGAAGAAGC	180		
CAATAAAACC CCAGATAAA	199		
(2) INFORMATION FOR SEQ ID NO: 42:			
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 227 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 			
(ii) MOLECULE TYPE: DNA (genomic)			
(iii) HYPOTHETICAL: NO			
(iv) ANTI-SENSE: NO			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 42:			
GAATCGCCCT YTGGTTTCTC TTGCTTTAGT AGGAGCATTG RTTAGYRYCA YACCGCAACA	60		
AAGTCATGCC GCCTTTTTYA CRACCGTGAT CATTCCAGCC ATTGTTGGRG GTATCGCTAC	120		
AGGCACTGCT GTAGGAACGG TCTCAGGGCT TCTTAGTTGG GGRCTCAAAC AAGCCGAAGA	180		
AGCSAATAAA ACCCCGATAA AGTTTGGCGC ATTCAAG	227		
(2) INFORMATION FOR SEQ ID NO: 43:			
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 176 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 			
(ii) MOLECULE TYPE: DNA (genomic)			
(iii) HYPOTHETICAL: NO			
(iv) ANTI-SENSE: NO			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 43:			
GCCCTTTAGT TTCTCTCGCT TTAGTGGGGT TATTGGTCAG CATCACACCA CAAAAAAGTC	60		
ATGCCGCCTT TTTCACAACC GTGATCATTC CAGCCATTGT TGGAGGTATC GCTACAGGTG	120		

176

CTGCTGTAGG AACGGTCTCA GGGCTTCTTG GTTGGGGGCT CAAACAAGCC GAAGAA

GCCAATAAAG CCCCGGACAA ACCC

(2) INFORMATION FOR SEQ ID NO: 46:

(2) INFORMATION FOR SEQ ID NO: 44:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 185 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 44:	
GCCCTCTGGT TTCTCTCGCT TTAGTAGGAG CATTGGTCAG CATCACACCG CAACAAAGTC	60
ATGCCGCCTT TTTCACAACC GTGATCATTC CAGCCATTGT TGGAGGTATC GCTACAGGCG	120
CTGCTGTAGG AACGGTCTCA GGGCTTCTTA GCTGGGGGCT CAAACAAGCC GAAGAAGCCA	180
ATAAA	185
(2) INFORMATION FOR SEQ ID NO: 45:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 204 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:	
AATCGCCCTC TGGTTTCTCT CGCTTTAGTA GGAGCATTGG TCAGCATCAC ACCGCAACAA	60
AGTCATGCCG CCTTTTTTAC AACCGTGATC ATTCCAGCCA TTGTTGGAGG TATCGCTACA	120
GGCGCTGCTG TAGGAACGGT CTCAGGGCTT CTTAGCTGGG GGCTCAAACA AGCCGAACAA	180

204

(A) LENGTH: 207 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:	
SAATCGCCCT TTAGTTTCTC TTGCTTTAGT AGGAGCATTG GTCAGCATCA CACCGCAACA	60
AAGTCATGCC GCCTTTTTCA CAACCGTGAT CATTCCAGCC ATTGTTGGGG GTATCGCTAC	120
AGGCGCTGCT GTAGGAACGG TTTCAGGGCT TCTTGGCTGG GGGCTAAAAC AAGCCGAAGA	180
AGCCAATAAA ACCCCAGATA AACCCGA	. 207
(2) INFORMATION FOR SEQ ID NO: 47:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 207 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	,
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47:	
CAATCGCCCT CTAGTTTCTC TCGCTTTAGT AGGAGCATTG GTCAGCATCA CACCGCAACA	60
AAGTCATGCC GCCTTTTTCA CAACCGTGAT CATTCCAGCC ATTGTGGGGG GTATCGCTAC	120
AGGCGCTGCT GTAGGAACGG TCTCAGGGCT TCTTAGCTGG GGGCTCAAAC AAGCCGAAGA	180
AGCCAATAAA ACCCCGGACA AACCCGA	207
(2) INFORMATION FOR SEQ ID NO: 48:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 207 base pairs(B) TYPE: nucleic acid	

(i) SEQUENCE CHARACTERISTICS:

(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 48:
CAATCGCCCT CTGGTTTCTC TTGCTTTAGT AGGAGCGTTA GTCAGCATCA CACCGCAACA 60
AAGTCATGCC GCCTTTTTCA CAACCGTGAT CATTCCAGCC ATTGTTGGGG GGATCGCTAC 120
AGGCGCTGCT GTAGGAACGG TCTCAGGGCT TCTTAGCTGG GGGCTCAAAC AAGCCGAAGA 180
AGCCAATAAA ACCCCAGATA AACCCGA 207
(2) INFORMATION FOR SEQ ID NO: 49:
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 176 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 49:
CCCTTTAGTT TCTCTTGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AACAAAGTCA 60
TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGGTATCG CTACAGGCAC 120
CGCTGTAGGA ACGGTTTCAG GGCTTCTTAG CTGGGGGCTC AAACAAGCCG AAGAAG 176
(2) INFORMATION FOR SEQ ID NO: 50:
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 187 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic)

(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 50:	
CCCTTTAGTT TCTCCTGTTT TAGCAGGAGC GTTGATTAGC TCCATACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGGTATCG CTACAGGCAC	120
TGCTGTAGGA ACGGTCTCAG GGCTTCTTAG CTGGGGGCTC AAACAAGCYG AASAAGCSAA	180
TAAAGCC	187
(2) INFORMATION FOR SEQ ID NO: 51:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 193 base pairs(B) TYPE:,nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 51:	
CTTGAGTTTC TCTTGTTTTA GCAGGAGCGT TGATTAGCGC CATACCGCAA CAAAGTCATG	60
CCGCCTTTTT CACGACCGTG ATCATTCCAG CCATTGTTGG GGGTATCGCT ACAGGCACCG	120
CTGTAGGAAC GGTTTCAGGG CTTCTTAGCT GGGGGCTCAA ACAAGCCGAA GAAGCCAATA	180
AAACCCCAGA TAA	193
(2) INFORMATION FOR SEQ ID NO: 52:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 196 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 52:	
GCCCTTTAGT TTCTCTCGTT TTAGCAGGAG CGTTGATTAG CTCCATACCG CAACAAAGTC	60
ATGCCGCCTT TTTCACAACC GTGATCATTC CAGCCATTGT TGGGGGTATC GCTACAGGCA	120
CCGCTGTAGG AACGGTTTCA GGGCTTCTTA GCTGGGGGCT CAAACAAGCC GAACAAGCCA	180
ATAAAGCCCC GGACAA	196
(2) INFORMATION FOR SEQ ID NO: 53:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 131 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 53:	
AATCGCCCTT TAGTTTCTCT TGTTTTAGCA GGAGCGTTGA TTAGCGCCAT ACCGCAACAA	60
AGTCATGCCG CCTTTTTCAC GACCGTNATC ATTCCAGCCA TTGTTNNNNG TATCGCTACA	120
GGCACCGCTG T	131
(2) INFORMATION FOR SEQ ID NO: 54:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 185 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 54:

CTACGCCCTT TAGTTTCTCT CGTTTTAGCA GGAGCGTTGA TTAGCGCCAT ACCGCAACAA	60
AGTCATGCCG CCTTTTTCAC AACCGTGATC ATTCCAGCCA TTGTTGGGGG CATCGCTTCA	120
GGCGCTGCTG TAGGAACGGT CTCAGGGCTT CTTAGTTGGG GACTCAAACA AGCCGAAGAA	180
GCGAA	185
(2) INFORMATION FOR SEQ ID NO: 55:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 201 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 55:	
AATCGCCCTT TAGTTTCTCT CGTTTTAGCA GGAGCGTTGA TTAGCGCCAT ACCGCAAGAG	60
AGTCATGCCG CCTTTTCAC AACCGTNATC ATTCCAGCCA TTGTTGGGGG TATCGCTACA	120
GGCACCGCTG TAGGAACGGT CTNAGGGCTT YTTAGTTGGG GACTNWAACA AGCCGAAGAA	180
GCCAATAAAA CCCCGGATAA A	201
(2) INFORMATION FOR SEQ ID NO: 56:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 187 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO	
(III) HIPOTHELICAD. NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 56:

CCCTTTAGTT TCTCTCGTTT TAGCANNAGC GTTGATTAGC RCCATACCGC AAGAGAGTCA 60

TGCCGCCTTT TTTACAACCG TNATCATTCC AGCCATTGTT GGGGGTATCG CTACAGGYGC	120
TGCTGTAGGA ACGGTCTCAG GGCTTCTTAG CTGGGGGCTC AAACAAGCCG AACAAGCCAA	180
TAAAGCC	187
(2) INFORMATION FOR SEQ ID NO: 57:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 187 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 57:	
CCCTTTGGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC TCCATACCGC AAGAGAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGGTATCG CTACAGGCGC	120
TGCTGTAGGA ACGGTCTCAG GGCTTCTTAG CTGGGGGCTC AAACAAGCCG AAGAAGCGAA	180
TAAAACC	187
(2) INFORMATION FOR SEQ ID NO: 58:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 187 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 58:	
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC TCCATACCGC AAGAGAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGGTATCG CTACAGGCAC	120

180

CGCTGTAGGA ACGGTCTCAG GGCTTCTTAG CTGGGGACTC AAACAAGCCG AAGAAGCGAA

	(iii) HYPOTHETICAL: NO
	(iv) ANTI-SENSE: NO
4 17	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 59:
	CCCTTTAGTT TCTCTCGTTT TAGCAGNAGC GTTNATTAGT GCCATACCGC AANANAGTCA
In.	TGCCGCCTTT TTCACNACCG TNATCATTCC AGCCATTGTT GGGGGTATCG CCACAGGCAC
C. T. C. C. C. C. C.	CGCTGTAGGA ACGGTCTCAG GGCTTCTTAG TTGGGGACTN AAACAAGCCG AAGAAGCGAA
i	AAAAT
' 4	(2) INFORMATION FOR SEQ ID NO: 60:
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 199 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii) MOLECULE TYPE: DNA (genomic)
	(iii) HYPOTHETICAL: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 60:

CAGGAGCGTT GATTAGTGCC ATACCGCAAG AGAGTCATGC CGCCTTTTTC ACGACCGTGA

TCATTCCAGC CATTGTTGGG GGTATCGCCA CAGGCACCGC TGTAGGAACG GTCTCAGGGC

TTCTTAGTTG GGGACTCAAA CAAGCCGAAG AAGCGAATAA AACCCCAGTA TAAACCCGAT

TAAAACC

(2) INFORMATION FOR SEQ ID NO: 59:

(iv) ANTI-SENSE: NO

AAAGTTTGGC GCATTCAAG

(i) SEQUENCE CHARACTERISTICS:

(ii) MOLECULE TYPE: DNA (genomic)

(A) LENGTH: 185 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

187

60

120

180

185

60

120

180

199

	(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 61:	
÷	TTTCTCTCGT TTTAGCAGGA GCGTTGATTA GCTCCATACC GCAAGAGAGT CATGCCGCCT	60
	TTTTCACAAC CGTGATCATT CCAGCCATTG TTGGGGGTAT CGCTACAGGC GCTGCTGTAG	120
	GAACGGTCTC AGGGCTTCTT AGCTGGGGGC TCAAACAAGC CGAAGAAGCG AATAAAACCC	180
	CAGATAAA	188
ij	(2) INFORMATION FOR SEQ ID NO: 62:	
E.1 P. G G Fe	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 206 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
14	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 62:	
	GAATCGCCCT TTAGTTTCTC TCGTTTTAGC AGGAGCGTTG ATTAGTGCCA TACCGCAAGA	60
	GAGTCATGCC GCCTTTTTCA CGACCGTGAT CATTCCAGCC ATTGTTGGGG GTATCGCCAC	120
	AGGCACCGCT GTAGGAACGG TCTCAGGGCT TCTTAGTTGG GGACTCAAAC AAGCCGAAGA	180
	AGCGAATAAA ACCCCAGTAT AAACCC	206
	(2) INFORMATION FOR SEQ ID NO: 63:	

(2) INFORMATION FOR SEQ ID NO: 61:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 188 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single

(i) SEQUENCE CHARACTERISTICS:

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 63:	
	AATCGCCCTT TGGTTTCTCT CGTTTTAGCA GGAGCGTTGA TTAGCTCCAT ACCGCAAGAG	60
	AGTCATGCCG CCTTTTTCAC AACCGTGMTC ATTCCAGCCA TTGTTGGGGG TATGGCTACA	120
13	GGCGCTGCTG TAGGAACGGT CTNAGGGCTT YTTAGCTGGG GGCTNWAACA AGCCGAAGAA	180
12	GCGAATAAAA CCCCAGATAA ACCCGA	206
B- 1.4 B- 6.2 6.2 F- 6.3 6.3 F- 6.3 6.3 6.3 6.3 F- 1.3 F-	(2) INFORMATION FOR SEQ ID NO: 64:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 201 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO 	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 64:	
	AATCGCCCTA TTATTTCTCT CGTTTTAGCA GGAGCGTTGA TTAGCTCCAT ACCGCAAGAA	60
	AGTCATGCCG CCTTTTTCAC GACCGTGATC ATTCCAGCCA TTGTTGGGGG TATCGCCACA	120
	GGCGCTGCTG TAGGAACGGT CTCAGGGCTT CTTAGCTGGG GGCTCAAACA AGCCGAACAA	180

(A) LENGTH: 206 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

GCCAATAAAG CCCCGGACAA A

(2) INFORMATION FOR SEQ ID NO: 65:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 197 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single

201

(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 65:	
GCCCTTTAGT TTCTCTTGTT TTAGCAGGAG CGTTGATTAG TGCCATACCG CAAGAGAGCT	60
ATGCCGCCTT TTTCACAACC GTGATCATTC CAGCCATTGT TGGGGGTATC GCTACAGGCA	120
CCGCTGTAGG AACGGTCTCA GGGCTTCTTA GTTGGGGACT CAAACAAGCC GAAGAAGCGA	180
ATAAAACCCC AGATAAA	197
(2) INFORMATION FOR SEQ ID NO: 66:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 201 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 66:	
AATCGCCCTT TAGTTTCTCT CGTTTTAGCA GGAGCGTTTA TTAGCGCCAT ACCGCAAGAG	60
AGTCATGCCG CCTTTTTCAC GACCGTGATC ATTCCAGCCA TTGTTGGGGG TATCGCCACA	120
GGCACCGCTG TAGGAACGGT CTCAGGGCTT CTTAGTTGGG GACTCAAACA AGCCGAAGAA	180
GCGAATAAAA CCCCAGATAA A	201
(2) INFORMATION FOR SEQ ID NO: 67:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 195 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	

(ii) MOLECULE TYPE: DNA (genomic)

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 67:	
	GTGGGGGTGT TAATGGGCAC CGAACTAGGG GCTAATACGC CAAACGATCC CATACACAGC	60
	GAGAGTCGCG CCTTTTTCAC AACCGTGATC ATTCCAGCCA TTGTTGGGGG TATCGCCACA	120
	GGCACTGCTG TAGGAACGGT CTCAGGGCTT CTTAGTTGGG GACTCAAACA AGCCGAAGAA	180
	GCGAATAAAA CCCCA	195
	(2) INFORMATION FOR SEQ ID NO: 68:	
4 4" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6"	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 196 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
1 45 K	(ii) MOLECULE TYPE: DNA (genomic)	
ū	(iii) HYPOTHETICAL: NO	
4	(iv) ANTI-SENSE: NO	
÷		
] =	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 68:	
	AGTGGGGGTG TTAATGGGCA CTGAACTAGG GGCTAACACG CCAAACGATC CCATACACAG	. 60
٠	CGAGAGTCGC GCCTTTTTTA CAACCGTGAT CATTCCAGCC ATTGTTGGGG GTATCGCTAC	120
	AGGCGCTGCT GTAGGAACGG TTTCAGGGCT TCTTAGCTGG GGGCTCAAAC AAGCCGAACA	180
	AGCCAATAAA GCCCCG	19
	(2) INFORMATION FOR SEQ ID NO: 69:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 196 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	

(iii) HYPOTHETICAL: NO

	÷	
;	=	
i	Ţ	
:	ij	
:	Fil	
;		
:	Ę.	
:	₫	
:		
	d	
	Ü	
	ff	
	=	•
	al al	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 69:	
TAGTGGGGGC ATTAATGAGT ACCGAACTAG GGGCTAACAC GCCAAATGAT CCCATACACA	60
GCGAGAGTCG CGCCTTTTTT ACAACCGTGA TCATTCCAGC CATTGTTGGG GGTATCGCTA	120
CAGGCGCTGC TGTAGGAACG GTCTCAGGGC TTCTTAGTCG GGGGCTCAAA CAAGCCGAAC	180
AAGCCAATAA AGCCCC	196
(2) INFORMATION FOR SEQ ID NO: 70:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 232 base pairs(B) TYPE: nucleic acid	

- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 70:

CAATCGCCCT ATTATCTCTC	TCGCTCTAGT	GGGGGTGTTA	ATGGGTACCG	AACTAGGGGC	60
TAACACGCCA AACGATCCCA	TACACAGCGA	GAGTCGCGCC	TTTTTTACAA	CCGTGATCAT	120
TCCAGCCATT GTTGGGGGTA	TCGCTACAGG	CGCTGCTGTA	GGAACGGTTT	CAGGGCTTCT	180
TAGCTGGGGG CTCAAACAAG	CCGAACAAGC	CAATAAAGCC	CCGGACAAAC	CC	232

- (2) INFORMATION FOR SEQ ID NO: 71:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 228 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO

	AATCGCCCTA TTATCTCTCT CGCTCTAGTG GGGGTGTTAA TGGGTACCGA ACTAGGGGCT	60					
	AACACGCCAA ACGATCCCAT ACACAGCGAG AGTCGCGCCT TTTTCACAAC CGTGATCATT	120					
	CCAGCCATTG TTGGAGGTAT CGCTACAGGT GCTGCTGTAG GAACGGTCTC AGGGCTTCTT	180					
	AGCTGGGGGC TCAAACAAGC CGAACAAGCC AATAAAGCCC CGGACAAA	228					
	(2) INFORMATION FOR SEQ ID NO: 72:						
: 2	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 228 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 						
3 7	(ii) MOLECULE TYPE: DNA (genomic)						
ij	(iii) HYPOTHETICAL: NO						
ın	(iv) ANTI-SENSE: NO						
4	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 72:						
	AATCGCCCTA TTATCTCTCT CGCTTTAGTG GGGGTRTTAA TGGGCACCGA ACTAGGGGCT	60					
4	AACACGCCAA ACGATCCCAT ACACAGCGAG AGTCGCGCCT TTTTCACAAC CGTGATCATT	120					
4	CCAGCCATTG TTGGGGGTAT CGCTACAGGC GCTGCTGTAG GAACGGTCTC AGGGCTTCTT	180					
	AGCTGGGGGC TCAAACAAGC CGAACAAGCC AATAAAGCCC CGGATAAA	228					
	(2) INFORMATION FOR SEQ ID NO: 73:						
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 233 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 						
	(ii) MOLECULE TYPE: DNA (genomic)						

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 71:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 73:

(iii) HYPOTHETICAL: NO

		ŗ	3	-	
		2	=		
		:	=		
			_	-	

	;				
	:		•		
	i		=		
	:				
	:		2	-	=
,	:			_	
			*****		Piere.
			•		Ļ
			:		-
				=	i

AATCGCCCTA TTATCTCTCT CGCTTTAGAG GGGGTGTTAA TAGGCACCGA ACTAGGGGCT	60
AACACGCCAA ATGATCCCAT ACACAGCGAG AGTCGCGCCT TTTTTACAAC CGTTATTATT	120
CCAGCCATTG TTGGGGGTAT CGCTACAGGC GCTGCTGTAG GAACGGTCTC AGGGCTTCTT	180
AGCTGGGGGC TCAAACAAGC CGAACAAGCC AATAAAGCCC CGGATAAACC CGA	233
(2) INFORMATION FOR SEQ ID NO: 74:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 300 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) 	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 74:	
TTTAAAGGTG GATGCTCATA CAGCTAATTT TAAAGGTATT GATACGGGTA ATGGTGGTTT	60
CAACACCTTA GATTTTAGTG GTGTTACAGG TAAGGTCAAT ATCAACAAGC TCATCACAGC	120

TTCCACTAAT GTGGCCGTTA AAAACTTCAA CATTAATGAA TTGATTGTTA AAACCAATGG

TGTGAGTGTG GGGGAATACA CTCATTTTAG CGAAGATATA GGCAGTCAAT CGCGCATCAA

TACCGTGCGT TTGGAAACTG GCACTAGGTC AATCTTTTCT GGGGGTGTTA AATTTAAAGG

180

240

300

(2) INFORMATION FOR SEQ ID NO: 75:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 300 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 75:

		Ė	ä
:	:	=	
:	:	=	1
:		Ļ	Tining Tining
			1
:			4
:		=	Min 4
:			-
:			
		=	÷
			-
			-
		:	÷
	:		=
			i

TTTAAAGGTG	GATGCTCATA	CAGCTAATTT	TAAAGGTATT	GATACGGGTA	ATGGTGGTTT	60
CAACACCTTA	GATTTTAGTG	GTGTTACAGG	TAAGGTCAAT	ATCAACAAGC	TCATTACGGC	120
					AGACCAATGG	180
					CGCGCATCAA	240
		·			AATTTAAAGG	300

(2) INFORMATION FOR SEQ ID NO: 76:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 300 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 76:

TTTAAAAGTG	GATGCTCATA	CAGCTAATTT	TAAAGGTATT	GATACGGGTA	ATGGTGGTTT	60
	GATTTTAGTG					120
					AGACCAATGG	180
					CGCGCATCAA	240
					AATTTAAAAG	300
CACCGTGCGT	IIMOMMOIO	00				

(2) INFORMATION FOR SEQ ID NO: 77:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 300 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

	,i
:	E
:	
•	ij
:	Ħ
;	
:	
:	Õ
:	
:	4
	Į,
:	Ш
	嬧
:	1111
	÷

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 77:	
TTTAAAGGTG GATGCTCATA CAGCTAATTT TAAAGGTATT GATACGGGTA ATGGTGGTTT	60
CAACACCTTA GATTTTAGTG GTGTTACAGG TAAGGTCAAT ATCAACAAGC TCATCACAGC	120
TTCCACTAAT GTGGCCGCTA AAAACTTCAA CATTAATGAA TTGATTGTTA AAACCAATGG	180
GGTGAGTGTG GGGGAATACA CTCATTTTAG CGAAGATATA GGCAGTCAAT CGCGCATCAA	240
TACCGTGCGT TTGGAAACTG GCACTAGGTC AATCTATTCT GGCGGTGTTA AATTTAAAGG	300
(2) INFORMATION FOR SEQ ID NO: 78:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 300 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 78:	
TTTAAAAGTG GATGCTCATA CAGCTAATTT TAAAGGTATT GATACGGGTA ATGGTGGTTT	60
CAACACCTTA GATTTTAGTG GTGTTACAGG TAAGGTCAAT ATCAACAAGC TCATCACAGC	120
TTCCACTAAT GTGGCCGCTA AAAACTTCAA CATTAATGAA TTGATTGTTA AAACCAATGG	180
GGTGAGTGTG GGGGAATACA CTCATTTTAG CGAAGATATA GGCAGTCAAT CGCGCATCAA	240
TACCGTGCGT TTGGAAACTG GCACTAGGTC AATCTATTCT GGCGGTGTTA AATTTAAAGG	300
(2) INFORMATION FOR SEQ ID NO: 79:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 300 base pairs(B) TYPE: nucleic acid	

(C) STRANDEDNESS: single (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

1	;	-	=
:	:	=	
:	:	=	
:		Ļ	100
:		Ī	7
:			
:		٠.	į
			į
:			
		=	<u>.</u>
		111111	the state of
		40:11	· · · · · ·
		=	1
	:	:	1

i

1	i 37)	ANTI-SENSE:	ИО
---	--------	-------------	----

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 79	9:
TTTAAAAGTG GATGCTCATA CAGCTAATTT TAAAGGTATT	GATACTGGTA ATGGTGGTTT 60
CAACACCTTA GATTTTAGTG GTGTTACAAA CAAAGTCAAT	
TTCCACTAAT GTGGCCGTTA AAAACTTCAA CATTAATGAA	
GGTGAGTGTG GGGGAATACA CTTATTTTAG CGAAGATATA	
CACCGTGCGT TTGGAAACTG GCACTAGGTC AATCTATTCT	

(2) INFORMATION FOR SEQ ID NO: 80:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 300 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 80:

60	ATGGTGGTTT	GATACGGGTA	TAAAGGTATT	CAGCTAATTT	GATGCTCATA	TTTAAAGGTG
	TCATCACGGC					
	AAACCAATGG					
	CGCGCATCAA					
	AATTTAAAAG					

(2) INFORMATION FOR SEQ ID NO: 81:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 300 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)

	CAACACCTTA GATTTTAGTG GTGTTACAGG TAAGGTCAAT ATCAACAAGC TCATTACGGC
	TTCCACTAAT GTAGCCGTTA AAAACTTCAA CATTAATGAA TTGTTGGTTA AGACCAATGG
	GGTGAGTGTG GGGGAATACA CTCATTTTAG CGAAGATATA GGCAGTCAAT CGCGCATCAA
÷	CACCGTGCGT TTGGAAACTG GCACTAGGTC AATCTTTTCT GGGGGTGTCA AATTTAAAAG
1. II. II II.JI	(2) INFORMATION FOR SEQ ID NO: 82:
(") £. (") "] (" E.) (")	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 300 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
<u>.</u>	(ii) MOLECULE TYPE: DNA (genomic)
E. E.	(iii) HYPOTHETICAL: NO
-H H"H -H	(iv) ANTI-SENSE: NO
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 82:
	TTTAAAGGTG GATGCTCATA CAGCTAATTT TAAAGGTATT GATACGGGTA ATGGTGGTTT

(2) INFORMATION FOR SEQ ID NO: 83:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 375 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 81:

TTTAAAAGTG GATGCTCATA CAGCTAATTT TAAAGGTATT GATACGGGTA ATGGTGGTTT

60

120

180

240

300

60

120

180

240

300

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

CAACACCTTA GATTTTAGTG GTGTTACAGG TAAGGTCAAT ATCAACAAGC TCATCACAGC

TTCCACTAAT GTGGCCGTTA AAAACTTCAA CATTAATGAA TTGATTGTTA AAACCAATGG

GATAAGTGTG GGGGAATACA CTCATTTTAG CGAAGATATA GGAAGTCAAT CGCGCATCAA

TACCGTGCGT TTGGAAACTG GCACTAGATC AATCTTTTCT GGGGGTGTTA AATTTAAAGG

i	nii.
:	=
:	7
	Ē
	П
į	
:	ąį.
:	₫
:	
1	ı
,	U
	Ü
	₽
	=
	÷

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 83:	
TTTAAGAGTG GACGCTCATA CAGCTTATTT TAATGGCAAT ATTTATCTGG GAAAATCCAC	60
GAATTTAAGA GTGAATGGCC ATAGCGCTCA TTTTAAAAAT ATTGATGCCA GCAAGAGCGA	120
TAACGGGCTA AACACTAGCG CTTTGGATTT CAGCGGCGTT ACAGACAAAG TCAATATCAA	180
CAAGCTCACT ACATCTGCCA CTAATGTGAA CGTTAAAAAC TTTGACGTTA AGGAATTGGT	240
GGTTACAACC CGTGTTCAGA GTTTTGGGCA ATACACTATT TTTGGCGAAA ATATAGGCGA	300
GGTTACAACC CGTGTTCAGA GIIIIGGGCA AACCCCATAT AGCCCGGCCT ATTCTGGGGG	360
TAAGTCTCGC ATTGGTGTCG TGAGTTTGCA AACGGGATAT AGCCCGGCCT ATTCTGGGGG	375
CGTTACTTTT AAAAG	
(2) INFORMATION FOR SEQ ID NO: 84:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 375 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 84:.	
(xi) SEQUENCE DESCRIPTION TO COME (xi) S	60
CTTAAGAGTG GATGCTCATA CAGCITATIT TAMAGAGAGT ATTGATGCCA GTAAGAGCGA	120
GAATTTAAGA GTGAATGGCC ATAGCGCTCA TTTTAAAAAT ATTGATGCCA GTAAGAGCGA	180
TAACGGGCTA AACACTAGTG CTTTGGATTT TAGCGGCGTT ACAGATAAAG TCAATATCAA	240
CAAGCTCACT ACATCTGCCA CTAATGTGAA CGTTAAAAAC TTTGACATTA AGGAATTGGT	
GGTTACAACC CGAGTTCAAA GTTTTGGGCA ATACACTATT TTTGGCGAAA ATATAGGCGA	300
TAAGTCTCGC ATTGGTGTCG TTAGTTTGCA AACGGGATAT AGCCCGGCCT ATTCTGGGGG	360
37	

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

CGTTACTTTT AAAAG

(2) INFORMATION FOR SEQ ID NO: 85:

(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 374 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 85:	
TTTAAGAGTG GATGCTCATA CAGCTTATTT TAATGGCAAT ATTTATCTGG GAAAATCCAC	60
GAATTTAAGA GTGAATGGCC ATAGCGCTCA TTTTAAAAAT ATTGATGCCA GTAAGAGCGA	120
TAACGGGCTA AACACTACCA CTTTGGATTT CAGCGGCGTT ACAGATAAAG TCAATATCAA	180
CAAGCTCACT ACATCTGCCA CTAATGTGAA CATTAAAAAC TTTGACATTA AGGAATTAGT	240
GGTTACAACC CGAGTTCAGA GTTTTGGGCA ATACACTATT TTTGGCGAAA ATATAGGCGA	300
TAAGCTGCAC ATTGGTGTCG TGAGTTTGCA AACGGGATAT AGCCCAGCCT ATTCTGGGGG	360
GCTTACTTTT AAAG	374
(2) INFORMATION FOR SEQ ID NO: 86:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 375 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 86:	

375

60

TTTAAGAGTG GATGCTCATA CAGCTTATTT TAATGGCAAT ATTTATCTGG GAAAATCCAC

GAATTTAAGA GTGAATGGCC ATAGCGCTCA TTTTAAAAAT	ATTGATGCCA	GTĄAGAGCGA	120
TAACGGGCTA AACACTAGCT CTTTGGATTT CAGTGGCGTT	ACAGACAAAG	TCAATATCAA	180
CAAGCTCACT ACATCTGCCA CTAATGTGAA CGTTAAAAAC	TTTGACATTA	AGGAATTGGT	240
GGTTACAACC CGCGTTCAGA GTTTTGGGCA ATACACTATT	TTTGGCGAAA	ATATAGGCGA	300
TAAGTCTCGC ATTGGTGTCG TTAGTTTGCA AACGGGATAT	AGCCCGGCCT	ATTCTGGGGG	360
CGTTACTTTT AAAAG			375
(2) INFORMATION FOR SEQ ID NO: 87:			
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 365 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 			
<pre>(ii) MOLECULE TYPE: DNA (genomic)</pre>			

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 87:

_{ር እ} ጥር ርጥር እጥ እ	$C\Delta CCTTATTT$	TAATGGCAAT	ATTTATCTGG	GAAAATCCAC	GAATTTAAGA	60
						120
GTGAATGGCC	ATAGCGCTCA	TTTTAAAAAT	ATTGATGCCA	GTAAGAGCGA	TAACGGGCTA	120
AACACTAGCG	CTTTGGATTT	YAGCGGCGTT	ACAGAYAAAG	TCAATATCAA	CAAGCTCACT	180
ACATCTGCCA	CTAATGTGAA	CGTTAAAAAC	TTTGACATTA	AGGAATTAGT	GGTTACAACC	240
CGAGTTCAAA	GTTTTGGGCA	ATACACTATT	TTTGGCGAAA	ATATAGGCGA	TAAGTCTCGC	300
ATTGGTGTCG	TTAGTTTGCA	AACGGGATAT	AGCCCGGCCT	ATTCTGGGGG	CGTTACTTTT	360
AAAAG						365
HAMAG						

(2) INFORMATION FOR SEQ ID NO: 88:

(iii) HYPOTHETICAL: NO

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 375 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

the str. Chimilton to the desire

4 23 24

≟

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 88:
TTTAAGAGGG GATGCTCATA CAGCTTATTT TAATGGCAAT ATTTATTTGG GAAAATCCAC
GAATTTAAGA GTGAATGGCC ATAGCGCTCA TTTTAAAAAT ATTGATGCCA GTAAGAGCGA
TAACGGGCTA AACACTAGCG YTTTGGATTT TAGCGGCGTT ACAGAYAAAG TCAATATCAA
CAAGCTCACT ACATCTGCCA CTAATGTGAA CRTTAAAAAC TTTGAYATTA AGGAATTGGT
GGTTACAACC CGAGTTCAAA GTTTTGGGCA ATACACTATT TTTGGCGAAA ATATAGGCGA
TMAGTCTCGC ATTGGTGTCG TTAGTTTGCA AACGGGATAT AGCCCRGCCT ATTCTGGGGG
CGTTACTTTT AAAAG
(2) INFORMATION FOR SEQ ID NO: 89:
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 375 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO

60

120

180

240

300

360

375

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 89:

(XI) 2D	-					
TTTAAGCGTG	GATGCTCATA	CAGCTTATTT	TAATGGTAAT	ATTTATCTGG	GAAAATCCAC	60
GAATTTAAGA						120
TAACGGGCTA						180
CAAGCTCACT						240
						300
GGTTACAACC						. 360
TAAGTCTCGC	ATTGGTGTCG	TGAGTTTGCA	AACGGGATAT	AGCCCGGCCT	ATTCTGGGGG	
CGTTACTTTT	AAAAG					375

- (2) INFORMATION FOR SEQ ID NO: 90:
 - (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 375 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 90:	
TTTAAGAGTG GATGCTCATA CAGCTTATTT TAATGGCAAT ATTTATCTGG GAAAATCCAC	60
GAATTTAAAA GTGAATGGCC ATAGCGCTCA TTTTAAAAAT ATTGATGCCA GTAAGAGCGA	120
TAATGGTCTA AACACTAGTG CTTTGGATTT GAGCGGCGTT ACAGACAAAG TCAATATCAA	180
CAAGCTCACT ACAGCTGCCA CTAATGTGAA CATTAAAAAC TTTGACATTA AGGAATTAGT	240
GGTTACGACC CGTGTTCAGA GTTTTGGGCA ATACACTATT TTTGGCGAAA ATATAGGAGA	300
TCAATCGCGC ATTGGTGTCG TTAGTTTGCA AACTGGCTAT AGCCCGGCCT ATTCTGGGGG	360
CGTTACTTTT AAAAG	375
(2) INFORMATION FOR SEQ ID NO: 91:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 375 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 91:	
CTTAAGAGTG GATGCTCATA CAGCTTATTT TAATGGCAAT ATTTATCTGG GAAAATCCAC	60
GAATTTAAGA GTGAATGGCC ATAGCGCTCA TTTTAAAAAT ATTGATGCTA GTAAGAGCGA	120
TAACGGGCTA AACACTAGCG CTTTGGATTT TAGCGGCGTT ACAGACAAAG TCAATATCAA	180

240

CAAGCTCACT ACATCTGCCA CTAATGTGAA CATTAAAAAC TTTGACATTA AGGAATTGGT

•	
GGTTACAACC CGAGTTCAAA GTTTTGGGCA ATACACTATT TTTGGCGAAA ATATAGGCGA	300
TAAGTCTCGC ATTGGTGTCG TGAGTTTGCA AACGGGATAT AGCCCGGCCT ATTCTGGGGG	360
CGTTACTTTT AAAAG	375
(2) INFORMATION FOR SEQ ID NO: 92:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 449 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 92:	
ATGACTAACG AAACCATTAA CCAACAACCA CAAAGCGAAG CGGCTTTTAA CCCGCAGCAA	60
TTTATCAATA ATCTTCAAGT AGCTTTTCTT AAAGTTGATA ACGCTGTCGC TTCATACGAT	120
CCTGATCAAA AACCAATCGT TGATAAGAAC GATAGGGATA ATAGGCAAGC TTTTGATGGA	180
ATCTCGCAAT TAAGGGAAGA ATACTCCAAT AAAGCGATCA AAAATCCTAC CAAAAAGAAT	240
CAGTATTTTT CAGACTTTAT CAATAAGAGC AATGATTTAA TCAACAAAGA CGCTCTCATT	300
GATGTAGAAT CTTCCACAAA GAGCTTTCAG AAATTTGGGG ATCAGCGTTA CCGAATTTTC	360
ACAAGTTGGG TGTCCCATCA AAACGATCCG TCTAAAATCA ACACCCGATC GATCCGAAAT	420
TTTATGGAAA ATATCATACA ACCCCCTAT	449
(2) INFORMATION FOR SEQ ID NO: 93:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 449 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	

1		Ŀ	
:	15	-	
٠	×	=	
i	=		
:	Ē,	1	
	House.		
:	il il	į	
:	2	Į	
*****	-	3	
:			
		÷	
		ij	
		Ų	
		Ė	
	1	=	
	į	4	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 93:	
ATGACTAACG AAACCATTAA CCAACAACCA CAAACCGAAG CGGCTTTTAA CCCGCAGCAA	60
TTTATCAATA ATCTTCAAGT AGCTTTTCTT AAAGTTGATA ACGCTGTCGC TTCATACGAT	120
CCTGATCAAA AACCAATCGT TGATAAGAAC GATAGGGATA ACAGGCAAGC TTTTGATGGA	180
ATCTCGCAAT TAAGGGAAGA ATACTCCAAT AAAGCGATCA AAAATCCTAC CAAAAAGAAT	240
CAGTATTTTT CAGACTTTAT CAATAAGAGC AATGATTTAA TCAACAAAGA CGCTCTCATT	300
GATGTAGAAT CTTCCACAAA GAGCTTTCAG AAATTTGGGG ATCAGCGTTA CCGAATTTTC	360
ACAAGTTGGG TGTCCCATCA AAACGATCCG TCTAAAATCA ACACCCGATC GATCCGAAAT	420
TTTATGGAAA ATATCATACA ACCCCCTAT	449
(2) INFORMATION FOR SEQ ID NO: 94:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 449 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 94:	
ATGGCTAACG AAACTATTAA CCAACAACCA CAAACCGAAG CGGCTTTTAA CCCGCAGCAA	61
TTTATCAATA ATCTTCAAGT AGCTTTTCTT AAAGTTGATA ACGCTGTCGC TTCATACGAT	12
CCTGATCAAA AACCAATCGT TGATAAGAAC GATAGGGATA ACAGGCAAGC TTTTGATGGA	18
ATCTCGCAAT TAAGGGAAGA ATACTCCAAT AAAGCGATCA AAAATCCTAC CAAAAAGAAT	24
CAGTATTTT CAGACTTTAT CAATAAGAGC AATGATTTAA TCAACAAAGA CGCTCTCATT	30

GATGTAGAAT CTTCCACAAA GAGCTTTCAG AAATTTGGGG ATCAGCGTTA CCGAATTTTC

ACAAGTTGGG TGTCCCATCA AAACGATCCG TCTAAAATCA ACACCCGATC GATCCGAAAT

(2) INFORMATION FOR SEQ ID NO: 95:

TTTATGGAAA ATATCATACA ACCCCCTAT

(i) SEQUENCE CHARACTERISTICS:

360

420

TTTATCAATA ATCTTCAAGT GGCTTTTCTT AAAGTTGATA ACGCTGTCGC TTCATACGAT	120
CCTGATCAAA AACCAATCGT TGATAAGAAC GATAGGGATA ATAGGCAAGC TTTTGATGGA	180
ATCTCGCAAT TAAGGGAAGA ATACTCCAAT AAAGCGATCA AAAATCCTAC CAAAAAGAAT	240
CAGTATTTTT CAGACTTTAT CAATAAGAGC AATGATTTAA TCAACAAAGA CGCTCTCATT	300
GATGTAGAAT CTTCCACAAA GAGCTTTCAG AAATTTTGGG ATCAGCGTTA CCGAATTTTC	360
ACAAGTTGGG TGTCCCATCA AAACGATCCG TCTAAAATCA ACACCCGATC GATCCGAAAT	420
TTCATGGAAA ATATCATACA ACCCCCTAT	449
(2) INFORMATION FOR SEQ ID NO: 96:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 449 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 96:	
ATGACTAACG AAACCATTAA CCAACAACCA CAAACCGAAG CGGCTTTTAA CCCGCAGCAA	60
TTTATCAATA ATCTTCAAGT GGCTTTTCTT AAAGTTGATA ACGCTGTCGC TTCATACGAT	120
CCTGATCAAA AACCAATCGT TGATAAGAAC GATAGGGATA ACAGGCAAGC TTTTGATGGA	180
<i>11</i>	

(A) LENGTH: 449 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 95:

ATGACTAACG AAACCATTAA CCAACAACCA CAAACCGAAG CGGCTTTTAA CCCGCAGCAA

60

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

ATCTCGCAAT TAAGGGAAGA ATACTCCAAT AAAGCGATCA AAAATCCTAC CAAAAAGAAT	240
CAGTATTTT CAAACTTTAT CAATAAGAGC AATGATCTAA TCAACAAAGA CAATCTCATT	300
GATGTAGAAT CTTCCAAAAA GAGCTTTCAG AAATTTGGGG ATCAGCGTTA CCGAATTTTC	360
ACAAGTTGGG TGTCCCATCA AAACGATCCG TCTAAAATCA ACACCCGATC GATCCGAAAT	420
TTTATGGAAA ATATCATACA ACCCCCTAT	449
(2) INFORMATION FOR SEQ ID NO: 97:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 449 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 97:	
ATGACTAACG AAACCATTAA CCAACAACCA CAAACCGAAG CGGCTTTTAA CCCGCAGCAA	60
TTTATCAATA ATCTTCAAGT AGCTTTTCTT AAAGTTGATA ACGCTGTCGC TTCATACGAT	120
CCTGACCAAA AACCAATCGT TGATAAGAAC GATAGGGATA ACAGGCAAGC TTTTGATAGA	180
ATCTCACAAT TAAGGGAGGA ATACTCCAAT AAAGCGATCA AAAATCCTAC CAAAAAGAAT	240
CAGTATTTTT CAGACTTTAT CGATAAGAGC AACGATTTAA TCAACAAAGA CGCTCTCATT	300
GATGTAGAAT CTTCCACAAA GAGCTTTCAG AAATTTGGGG ATCAGCGTTA CCGAATTTTC	360
ACAAGTTGGG TGTCCCATCA AAACGATCCG TCTAAAATCA ACACCCGATC GATCCGAAAT	420
TTTATGGAAA ATATCATACA ACCCCCTAT	449
(2) INFORMATION FOR SEQ ID NO: 98:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 449 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 98:	
ATGACTAACG AAACCATTAA CCAACAACCA CAAACCGAAG CGGCTTTTAA CCCGCAGCAA	60
TTTATCAATA ATCTTCAAGT GGCTTTTCTT AAAGTTGATA ACGCTGTCGC TTCATACGAT	120
CCTGATCAAA AACCAATTAT TGATAAGAAC GATAGGGATA ACAGGCAAGC TTTTGATGGA	180
ATCTCGCAAT TAAGGGAAGA ATATTCCAAT AAAGCGATCA AAAATCCTAC CAAAAAGAAT	240
CAGTATTTTT CAGACTTTAT CGATAAGAGC AATGATTTAA TCAACAAAGA CAATCTCATT	30
GATGTAGAAT CTTCCACAAA GAGCTTTCAG AAATTTGGGG ATCAGCGTTA CCGAATTTTC	36
ACAAGTTGGG TGTCCCATCA AAACGATCCG TCTAAAATCA ACACCCGATC GATCCGAAAT	42
TTTATGGAAA ATATCATACA ACCCCCTAT	44
(2) INFORMATION FOR SEQ ID NO: 99:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 449 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single	

- (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 99:

ATGACTAACG AAACCATTAA CCAACAACCA CAAACCGAAG CGGCTTTTAA CCCGCAGCAA 60 TTTATCAATA ATCTTCAAGT AGCTTTTCTT AAAGTTGATA ATGCTGTCGC TTCATACGAT 120 TCTGATCAAA AACCAATCAT TGATAAGAAC GATAGGGATA ACAGGCAAGC TTTTGATAGA 180 ATCTCGCAAT TAAGGGAAGA ATACTCCAAT AAAGCGATCA AAAATCCTAC CAAAAAGAAT 240 CAGTATTTT CAGACTTTAT CGATAAGAGC AACGATTTAA TCAACAAAGA CAATCTCATT 300 GATGTAGAAT CTTCCACAAA GAGCTTTCAG AAATTTGGGG ATCAGCGTTA CCGAATTTTC 360 ACAAGTTGGG TGTCCCATCA AAATGATCCG TCTAAAATCA ACACCCGATC GATCCGAAAT 420 449 TTTATGGAAA ATATCATACA ACCCCCTAT

	÷	
	fH 16D	
	7	
	ij	
	ñ	
•		
:	43 45. 45. 45. 45. 45.	
	Ü	
:		
	럂	
	Ü	
	4 4	
	÷	
	= =	
	÷	

(2) INFORMATION FOR SEQ ID NO: 100:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 449 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 100:	
ATGACTAACG AAACTATTGA CCAACAACCA CAAACCGAAG CGGCTTTTAA CCCGCAGCAA	60
TTTATTAATA ATCTTCAGGT AGCTTTTCTT AAGCTTGATA ACGCTGTCGC TTCATTTGAT	120
CCTGATCAAA AACCAATCGT TGATAAGAAT GATAGGGATA ACAGGCAAGC TTTTGATGGA	180
ATCTCGCAAT TAAGGGAAGA ATACTCCAAT AAAGCGATCA AAAATCCTAC CAAAAAGAAT	240
CAGTATTTTT CAGACTTTAT CAATAAGAGC AATGATTTAA TCAACAAAGA CGCTCTCATT	300
GATGTAGAAT CTTCCACAAA GAGCTTTCAG AAATTTGGGG ATCAGCGTTA CCGAATTTTC	360
ACAAGTTGGG TGTCCCATCA AAACGATCCG TCTAAAATCA ACACCCGATC GATCCAAAAT	420
TTTATGGAAA ATATCATACA ACCCCCTAT	449
(2) INFORMATION FOR SEQ ID NO: 101:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 449 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

ATGACTAACG AAACTATTGA CCAACAACCA CAAACTGAAG CGGCTTTTAA CCCGCAGCAA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 101:

ITTATCAATA ATC	CTTCAAGT	GGCTTTTCTT	AAGCTTGATA	ACGCTGTCGC	TTCATTTGAT	120
CCTGATCAAA AAG	CCAATCGT	TGATAAGAAC	GATAGGGATA	ACAGGCAAGC	TTTTGATGGA	180
ATCTCGCAAT TA	AGGGAAGA	АТАСТССААТ	AAAGCGATCA	AAAATCCTAC	CAAAAAGAAT	240
CAGTATTTT CAG	GACTTTAT	CAATAAGAGC	AATGATTTAA	TCAACAAAGA	CGCTCTCATT	300
GATGTAGAAT CT	TCCACAAA	GAGCTTTCAG	AAATTTGGGG	ATCAGCGTTA	CCGAATTTTC	360
ACAAGTTGGG TG	TCCCATCA	AAACGATCCG	TCTAAAATCA	ACACCCGATC	GATCCGAAAT	420
TTTATGGAAA AT	ATCATACA	ACCCCCTAT				449
(2) INFORMATI	ON FOR SI	EQ ID NO: 1	02:			
(A) (B)	LENGTH: TYPE: n	RACTERISTIC 449 base p ucleic acid DNESS: sing	airs		` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	

- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 102:

ATGACTAACG	AAACTATTAA	CCAACAGCCA	CAAACCGAAG	CGGCTTTTAA	CCCGCAGCAA	60
TTTATCAATA	ATCTTCAAGT	AGCTTTTCTT	AAGCTTGATA	ACGCTGTCGC	TTCATTTGAT	120
CCTGATCAAA	AACCAATCGT	TGATAAGAAC	GATAGGGATA	ATAGGCAGGC	TTTTGATGGA	180
ATCTCGCAAT	TAAGGGAAGA	ATACTCCAAT	AAAGCGATCA	AAAATCCTAC	CAAAAAGAAT	240
CAGTATTTT	CAGACTTTAT	CAATAAGAGC	AATGATTTAA	TCAACAAAGA	CAATCTCATT	300
GATGTAGAAT	CTTCCACAAA	GAGCTTTCAG	AAATTTGGGG	ATCAGCGTTA	CCGAATTTTC	360
ACAAGTTGGG	TGTCCCATCA	AAACGATCCG	тстаааатса	ACACCCGATC	GATCCGAAAT	420
TTTATGGAAA	ATATCATACA	ACCCCCTAT				449

- (2) INFORMATION FOR SEQ ID NO: 103:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 449 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

·	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 103:	
ATGACTAACG AAACCATTAA CCAACAACCA CAAACCGAAG CGGCTTTTAA CCCGCAGCAA	60
TTTATCAATA ATCTTCAAGT GGCTTTTCTT AAGCTTGATA ATGCTGTTGC TTCATTTGAT	120
CCTGATCAAA AACCAATCGT TGATAAGAAC GATAGGGATA ACAGGCAAGC TTTTGATGGA	180
ATCTCGCAAT TAAGGGAAGA ATACTCCAAT AAAGCGATCA AAAATCCTAC CAAAAAGAAT	240
CAGTATTTT CAGACTTTAT CGATAAGAGC AACGATTTAA TCAACAAAGA CAATCTCATT	300
GATGTAGAAT CTTCCACAAA GAGCTTTCAG AAATTTGGGG ATCAGCGTTA CCGAATTTTC	360
ACAAGTTGGG TGTCCCATCA AAACGATCCG TCTAAAATCA ACACCCGATC GATCCGAAAT	420
TTTATGGAAA ATATCATACA ACCCCCTAT	449
(2) INFORMATION FOR SEQ ID NO: 104:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 449 base pairs	
(B) TYPE: nucleic acid(C) STRANDEDNESS: single	
(C) STRANDEDNESS. SINGLE (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 104:	

ATGACTAACG AAACCATTAA CCAACAACCA CAAACCGAAG CGGCTTTTAA CCCGCAGCAA 60

TTTATCAATA ATCTTCAAGT GGCTTTCTT AAAGTTGATA ACGCTGTCGC TTCATACGAT 120

CCTGATCAAA AACCAATCGT TGATAAGAAC GATAGGGATA ATAGGCAAGC TTTTGATGGA 180

ATCTCGCAAT TAAGGGAAGA ATACTCCAAT AAAGCGATCA AAAATCCTAC CAAAAAGAAT 240

CAGTATTTT CAGACTTTAT CAATAAGAGC AATGATTAA TCAACAAAGA CGCTCTCATT 300

GATGTAGAAT CTTCCACAAA GAGCTTTCAG AAATTTTGGG ATCAGCGTTA CCGAATTTTC

	(ii) MOLECULE TYPE: DNA (genomic)
	(iii) HYPOTHETICAL: NO
	(iv) ANTI-SENSE: NO
4.11 12.31 Pr	
ų	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 105:
: n	ATGACTAACG AAACTATTGA TCAACAACCA CGAACCGAAG CGGCTTTTAA CCCGCAGCAA
	TTTATCAATA ATCTTCAAGT AGCTTTTCTT AAAGTTGATA ACGTTGTCGC TTCATTTGAT
- -	CCTAATCAAA AACCAATCGT TGATAAGAAC GATAGGGATA ACAGGCAAGC TTTTGATGGA
	ATCTCGCAAT TAAGGGAAGA ATACTCCAAT AAAGCGATCA AAAATCCTGC CAAAAAGAAT
li Li	CAGTATTTT CAGACTTTAT CAATAAGAGC AATGATCTAA TCAACAAAGA CAATCTCATT
13	GATGTAGAAT CTTCCACAAA GAGCTTTCAG AAATTTGGGG ATCAGCGTTA CCAAATTTTC
•	ACAAGTTGGG TGTCCCATCA AAACGATCCG TCTAAAATCA ACACCCGATC GATCCGAAAT
	TTTATGGAAA ATATCATACA ACCCCCTAT
	(2) INFORMATION FOR SEQ ID NO: 106:

(i) SEQUENCE CHARACTERISTICS:

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(A) LENGTH: 449 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

TTCATGGAAA ATATCATACA ACCCCCTAT

(2) INFORMATION FOR SEQ ID NO: 105:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 449 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

ACAAGTTGGG TGTCCCATCA AAACGATCCG TCTAAAATCA ACACCCGATC GATCCGAAAT

449

60

120

180

240

300

360

420

•	(xi)	SE	QUENCE	DESC	RIPTION: SE	EQ ID NO: 10)6:		
ATG#	CTAAC	CG	AAACCA!	TAA	CCAACAACCA	CAAACCGAAG	CGGCTTTTAA	CCCGCAGCAA	60
TTTF	ATCAAT	ra.	ATCTTC	AAGT	GGCTTTTATT	AAAGTTGATA	ATGTTGTCGC	TTCATTTGAT	120
CCT	SATCA	ΑA	AACCAA!	rcg t	TGATAAGAAT	GATAGGGATA	ATAGGCAAGC	TTTTGAGAAA	180
ATCI	CGCA	3C	TAAGGG	AGGA	ATTCGCTAAT	AAAGCGATCA	AAAATCCTGC	CAAAAAGAAT	240
CAG	TATTT	ГТ	CAAGCT'	TAT	CAGTAAGAGC	AGTGATTTAA	TCAACAAAGA	CAGTCTCATT	300
GATA	ACAGG'	ГT	CTTCCA'	TAAA	GAGCTTTCAG	aaatt†ggga	CTCAGCGTTA	CCAAATTTTT	360
ATG/	AATTG	GG	TGTCCC	ATCA	AAAAGATCCA	TCTAAAATCA	ACACCCAAAA	AATCCGAGGT	420
TTT	ATGGA	AA	ATATCA	TACA	ACCCCCTAT				449

- (2) INFORMATION FOR SEQ ID NO: 107:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 464 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 107:

ATGACTAACG AAACTATTGA	TCAAACAAGA	ACACCAGACC	AAACACAAAG	CCAAACAGCT	60
TTTGATCCGC AACAATTTAT	CAATAATATT	CAAGTGGCTT	TTCTTAAAGT	TGATAACGCT	120
GTCGCTTCAT TTGATCCTGA	TCAAAAACCA	ATCGTTGATA	AGAATGATAG	GGATAACAGG	180
CAAGCTTTTG AGAAAATCTC	GCAGCTAAGG	GAGGAATTCG	CTAATAAAGC	GATCAAAAAT	240
CCTGCCAAAA AGAATCAGTA	TTTTTCAAGC	TTTATCAGTA	AGAGCAGTGA	TTTAGTCAAC	300
AAAGACAGTC TCATTGATAC	AGGTTCTTCC	ATAAAGAGCT	TTCAGAAATT	TGGGACTCAG	360
CGTTACCAAA TTTTTATGAA	TTGGGTGTCC	CATCAAAAAG	ATCCATCTAA	AATCAACACC	420
CAAAAAATCC AAGATTTTAT	GGAAAATATC	ATACAACCCC	CTAT		464

- (2) INFORMATION FOR SEQ ID NO: 108:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 464 base pairs

	(D) TOPOLOGY: linear								
	(ii) MOLECULE TYPE: DNA (genomic)								
	(iii) HYPOTHETICAL: NO								
	(iv) ANTI-SENSE: NO								
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 108:	60							
	ATGACTAATG AAACCATTGA TCAAACAACA ACACCAGATC AAACACCAAA TCAAACAGAT								
	TTTGTTCCGC AACGATTTAT CAATAATCTT CAAGTAGCTT TTATTAAAGT TGATAACGCT	120							
÷	GTCTCTTCAT TTGATCCTGA TCAAAAACCA ATCGTTGATA AGAATGATAG GGATAACAGG	180							
a'''l a'''	CAAGCTTTTG AGAAAATCTC GCAACTAAGG GAAGAATACG CCAATAAAGC GATCAAAAAT	240							
ļ	CCTGCCAAAA AGAATCAGTA TTTTTCAGAC TTTATCAATA AGAGCAATGA TTTGATCAAC	300							
	AAAGACAATC TCATTGCTGT AGATTCTTCC GTAGAGACCT TTAAGAAATT TGGGGATCAG	360							
The Fill	CGTTACCAAA TTTTTACGAA TTGGGTGTCC CTTCAAAAAG ATCCGTCTAA AATCAACACC	420							
-	CGACAAATCC GAAATTTTAT GGAAAATATC ATACAACCCC CTAT	464							
### ### #	(2) INFORMATION FOR SEQ ID NO: 109:								
# 4E	(i) SEQUENCE CHARACTERISTICS:								
₩	(A) LENGTH: 464 base pairs								
à	(B) TYPE: nucleic acid (C) STRANDEDNESS: single								
	(D) TOPOLOGY: linear								
	(ii) MOLECULE TYPE: DNA (genomic)								
	(iii) HYPOTHETICAL: NO								
	(iv) ANTI-SENSE: NO								
		TC AAACACCAAA TCAAACAGAT 60 TT TTATTAAAGT TGATAACGCT 120 TA AGAATGATAG GGATAACAGG 180 ACG CCAATAAAGC GATCAAAAAT 240 ATA AGAGCAATGA TTTGATCAAC 300 ACT TTAAGAAATT TGGGGATCAG 360 ACG ATCCGTCTAA AATCAACACC 420 ACC CTAT 464 TT TOTTAAGAATT TGGGGATCAG 160 ACC CTAT 464 TT TCCTTAAAGT TGATAGCGCT 120 ATA AGAATGATAG GGATAACAGG 180							
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 109:								
	ATGACTAACG AAACCATTGA TCAAACAACA ACACCAGATC AAACACCAAA CCAAACGGAT	60							
	TTTGTTCCGC AACGATTTAT CAATAATCTT CAAGTAGCTT TCCTTAAAGT TGATAGCGCT	120							
	GTCGCTTCAT TTGATCCTGA TCAAAAACCA ATCGTTGATA AGAATGATAG GGATAACAGG	180							
	CAAGCTTTTG AGAAAATCTC GCAACTAAGG GAAGAATACG CCAATAAAGC GATCAAAAAT	240							

(B) TYPE: nucleic acid (C) STRANDEDNESS: single

CCTGCCAAAA AGAATCAGTA TTTTTCAGAC TTTATCAATA AGAGCAATGA TTTGATCAAC	300
AAAGACAATC TCATTGCTGT AGATTCTTCT GTAGAGAGCT TTAAGAAATT TGGGGATCAG	360
CGTTACCAAA TTTTTACGAG TTGGGTGTCC CTTCAAAAAG ATCCGTCTCA AATCAACACC	420
CGACAAATCC GAAATTTTAT GGAAAATATC ATACAACCCC CTAT	464
(2) INFORMATION FOR SEQ ID NO: 110:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 464 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 110:

ATGACTAACG AAACCATTGA TCAAACAACA ACACCAGATC AAACACCAAG CCAAACAGAT 60 TTTGTTCCGC AACGATTTAT CAATAATCTT CAAGTAGCTT TTCTTAAAGT TGATAACGCT 120 GTCGCTTCAT TTGATCCTGA TCAAAAACCA ATCGTTGATA AGAATGATAG GGATAACAGG 180 CAAGCTTTTG AGAAAATCTC GCAACTAAGG GAAGAATACG CCAATAAAGC GATCAAAAAT 240 CCTGCCAAAA AGAATCAGTA TTTTTCAGAC TTTATCAATA AGACCAATGA TTTGATCAAC 300 AAAGACAATC TCATTGCTGT AGATTCTTCC GTAGATAGCT TTAAGAAATT TGGGGATCAG 360 CGTTACCAAA TTTTTACGAG TTGGGTGTCC CTTCAAAAAG ATCCGTCTAA AATCAACACC 420 464 CAACAATCC GAAATTTTAT GGAAAATATC ATACAACCCC CTAT

- (2) INFORMATION FOR SEQ ID NO: 111:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 464 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO

	ż	,
į	=	
•	=	
:	1	
:	7	
;	1	
;	=	Ė
:	Ę	
;		
1	2	<u>.</u>
	unni	1
	cuti'	2
	=	
	2	=
-	=	i

(xi) SEQ	UENCE DESC	RIPTION: SE	Q ID NO: 11	1:		
ATGACTAACG A	\AACCATTGA	TCAAACAACA	ACACCAGATC	AAACACCAAA	TCAAACAGAT	
TTTGTTCCGC A	\ACGATTTAT	CAATAATCTT	CAAGTAGCTT	TTATTAAAGT	TGATGACGCT	
GTCGCTTCAT I	TTGATCCCGA	тсааааасса	ATCGTTGATA	AGAATGATAG	GGATAACAGG	
CAAGCTTTTG A	AGAAAATCTC	GCAACTAAGG	GAAGAATACG	CCAATAAAGC	GATCAAAAAT	
CCCACCAAAA A	AGAATCAGTA	TTTTTCAGAC	TTTATCAATA	AGACCAATGA	TTTGATCAAC	
AAAGACAATC 1	rcattgctgt	AGATTCTTCC	GTAGAGAGCT	TTAAGAAATT	TGGGGATCAG	
CGTTACCAAA 1	rtttacgag	TTGGGTGTCC	CTTCAAAAAG	ATCCGTCTAA	AATCAACACC	
CAACAAATCC (GAAATTTTAT	GGAAAATATC	ATACAACCCC	CTAT		
(2) INFORMAT	TION FOR SE	EQ ID NO: 1	12:			
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 464 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear						
(ii) MO	LECULE TYPE	E: DNA (geno	omic)			
(iii) HY	POTHETICAL:	: NO				
(iv) AN'	TT-SENSE. N	AU.				

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 112:

ATGACTAACG	AAACCATTGA	TCAAACAACA	ACACCAGATC	AAACACCAAA	TCAAACAGAT	60
TTTGTTCCGC	AACGATTTAT	CAATAATCTT	CAAGTAGCTT	TTATTAAAGT	TGATAACGCT	120
GTTGCTTCAT	TTGATCCCGA	TCAAAAACCA	ATCGTTGATA	AGAATGATAG	GGATAACAGG	180
CAAGCTTTTG	AGAAAATCTC	GCAACTAAGG	GAAGAATACG	CCAATAAAGC	GATCAAAAAT	240
CCTGCCAAAA	AGAATCAGTA	TTTTTCAGAC	TTTATCAATA	AGAGCAATGA	TTTGATCAAC	300
AAAGACAATC	TCATTGCTGT	AGATTCTTCC	GTAGATAGCT	TTAAGAAATT	TGGGGATCAG	360
CGTTACCAAA	TTTTTACGAG	TTGGGTGTCC	CTTCAAAAAG	ATCCGTCTCA	AATCAACACC	420
CAACAAATCC	AAAATTTTAT	GGAAAATATC	ATACAACCCC	CTAT		464

		ı	i	,
	:		=	
	:	=	=	Ì
	:		-	
	:	*****		
	:		=	
	:	:	=	
	:	-		
	:			
			2	=
•				į
			uni.	1
			=	Ŀ
		:	=	17"
		:	,	÷

(2) INFORMATION FOR SEQ ID NO: 113:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 464 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 113:	
ATGACTAACG AAACCATTGA TCAAACAACA ACACCAGATC AAACACTAAA CCAAACGGAT	60
TTTGTTCCGC AACGATTTAT CAATAATCTT CAAGTAGCTT TTATTAAAGT TGATAACGCT	120
GTCGCTTTAT TTGATCCCGA TCAAAAACCA ATCGTTGATA AGAATGATAG GGATAACAGG	180
CAAGCTTTTG AGAAAATCTC GCAACTAAGG GAAGAATACG CCAATAAAGC GATCAAAAAT	240
CCCACCAAAA AGAATCAGTA TTTTTCAGAC TTTATCAATA AGAGCAATGA TTTGATCAAC	300
AAAGACAATC TCATTGCTGT AGATTCTTCC GTAGATAGCT TTAAGAAATT TGGGGATCAG	360
CGTTACCAAA TTTTTACGAG TTGGGTGTCC CTTCAAAAAG ATCCGTCTCA AATCAACACC	420
CGACAAATCC GAAATTTTAT GGAAAATATC ATACAACCCC CTAT	464
(2) INFORMATION FOR SEQ ID NO: 114:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 464 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 114:	
ATGACTAACG AAACCATTGA TCAAACAATA ACACCAGATC AAACACCAAA CCAAACGGAT	6

TTTGTTCCGC AACGATTTAT CAATAATCTT CAAGTAGCTT TTATCAAAGT TGATAACGCT

STCGCTTCAT TTGATCCTGA TCAAAAACCA ATCGTTGATA AGAATGATAG GGATAACAGG	180
CAAGCTTTTG AGAAAATCTC GCAATTAAGG GAAGAATACG CCAATAAAGC GATCAAAAAT	240
CCTGCCAAAA AGAATCAGTA TTTTTTAGAC TTTATCAATA AGAGCAATGA TTTGATCAAC	300
AAAGACAATC TCATTGCTGT AGATTCTTCC GTAGATAGCT TTAAGAAATT TGGGGATCAG	360
CGTTACCAAA TTTTTACGAG TTGGGTGTCC CTTCAAAAAG ATCCGTCTAA AATCAACACC	420
CAACAAATCC GAAATTTTAT GGAAAATATC ATACAACCCC CTAT	464
(2) INFORMATION FOR SEQ ID NO: 115:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 132 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 115:

CCCTATTATC TCTCTCGCTC TAGTGGGGGT GTTAATGGGT ACCGAACTAG GGGCTAACAC

GCCAAACGAT CCCATACACA GCGAGAGTCG CGCCTTTTTT ACAACCGTGA TCATTCCAGC

120

CATTGTTGGG GG

132

(2) INFORMATION FOR SEQ ID NO: 116:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 132 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 116:

CCCTATTATC TCTCTCGCTC TAGTGGGGGT GTTAATGGGT ACCGAACTAG GGGCTAACAC	60
GCCAAACGAT CCCATACACA GCGAGAGTCG CGCCTTTTTC ACAACCGTGA TCATTCCAGC	120
CATTGTTGGA GG	132
(2) INFORMATION FOR SEQ ID NO: 117:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 132 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 117:	
CCCTATTATC TCTCTCGCTC TAGTGGGGGT GTTAATGGGC ACCGAACTAG GGGCTAATAC	60
GCCAAACGAT CCCATACACA GCGAGAGTCG CGCCTTTTTC ACAACCGTGA TCATTCCAGC	120
CATTGTTGGG GG	132
(2) INFORMATION FOR SEQ ID NO: 118:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 132 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	٠
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 118:	
CCCTATTATC TCTCTCGCTC TAGTGGGGGT GTTAATGGGC ACCGAACTAG GGGCTAATAC	60
GCCAAACGAT CCCATACACA GCGAGAGTCG CGCCTTTTTC ACAACCGTGA TCATTCCAGC	120
CATTGTTGGG GG	132

(2) INFORMATION FOR SEQ ID NO: 119:

	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 132 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 119:	
	CCCTATTATC TCTCTCGCTC TAGTGGGGGT GTTAATGGGC ACTGAACTAG GGGCTAACAC	60
	GCCAAACGAT CCCATACACA GCGAGAGTCG CGCCTTTTTT ACAACCGTGA TCATTCCAGC	120
	CATTGTTGGG GG	132
j U	(2) INFORMATION FOR SEQ ID NO: 120:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 132 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
d L	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 120:	
	CCCTATTATC TCTCTCGCTC TAGTGGGGGT GTTAATGGGC ACCGAACTAG GGGCTAACAC	60
	GCCAAATGAT CCCATACACA GCGAGAGTCG CGCCTTTTTC ACAACYGTGA TCATTCCAGC	120
	CATTGTTGGG GG	132
	(2) INFORMATION FOR SEQ ID NO: 121:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 132 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

(iii) HYPOTHETICAL: NO	,
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 121:	
CCCTATTATC TCTCTCGCTT TAGTGGGGGT RTTAATGGGC ACCGAACTAG GGGCTAACAC	60
GCCAAACGAT CCCATACACA GCGAGAGTCG CGCCTTTTTC ACAACCGTGA TCATTCCAGC	120
CATTGTTGGG GG	132
(2) INFORMATION FOR SEQ ID NO: 122:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 132 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	•
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 122:	
CCCTATTATT TCTCTCGCTT TAGTGGGGGT GTTAATGGGC ACCGAACTAG GGGCTAACAC	60
GCCAAACGAT CCCATACACA GCGAGAGTCG CGCCTTTTTT ACAACCGTGA TCATTCCAGC	120
CATTGTTGGG GG	132
(2) INFORMATION FOR SEQ ID NO: 123:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 132 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 123:	
CCCTATTATC TCTCTCGCTC TAGTGGGGGC ATTAATGAGT ACCGAACTAG GGGCTAACAC	60
GCCAAATGAT CCCATACACA GCGAGAGTCG CGCCTTTTTT ACAACCGTGA TCATTCCAGC	120
CATTGTTGGG GG	132
(2) INFORMATION FOR SEQ ID NO: 124:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 132 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 124:	
CCCTATTATC TCTCTCGCTT TAGTGGGGGT ATTAATAGGC ACCGAACTAG GGGCTAATAC	60
GCCAAATGAT CCCATACACA GCGAGAGTCG TGCTTTTTTC ACAACCGTGA TCATTCCAGC	120
CATTGTTGGG GG	132
(2) INFORMATION FOR SEQ ID NO: 125:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 132 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 125:	
CCCTATTATC TCTCTCGCTC TAGTGGGGGT GTTAATAAGC ACCGAACTAG GGGCTAACAC	60

GCCAAATGAT CCCATACACA GCGAGAGTCG CGCCTTTTTC ACAACGGGGA TCATTCCAGC

	(2) INFORMATION FOR SEQ ID NO: 120:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	·
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 126:	
à =	CCCTTTAGTT TCTCTCGCTT TAGTGGGGTT ATTGGTCAGC ATCACACCAC AAAAAAGTCA	60
7	TGCTGCCTTC TTTACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
ñ	(2) INFORMATION FOR SEQ ID NO: 127:	
em po dup de high mas dus and de harb	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
P ("" {""	(ii) MOLECULE TYPE: DNA (genomic)	
=	(iii) HYPOTHETICAL: NO	
4	(iv) ANTI-SENSE: NO	
	AND STORY PROGRAMMENT ON SEC. ID NO. 127.	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 127: CCCTTTAGTT TCTCTCGCTT TAGTGGGGGTT ATTGGTCAGC ATCACACCAC AAAAAAGTCA	60
		105
	TGCTGCCTTC TTTACAACCG TGATCATTCC AGCCATTGTT GGGGG	100
	(2) INFORMATION FOR SEQ ID NO: 128:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

CATTGTTGGG GG

(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 128:	
CCCTTTAGTT TCTCTCGCTT TAGTGGGGTT ATTGGTCAGC ATCACACCGC AAAAAAGTCA	60
TGCTGCCTTC TTTACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 129:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 129:	
CCCTCTAGTT TCTCTCGCTT TAGTGGGGTT ATTGGTCAGC ATCACACCGC AAAAAAGTCA	60
TGCCGCCTTC TTTACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 130:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 130:

	CCCTCTAGTT TCTCTCGCTT TAGTGGGGTT ATTGGTCAGC ATCACACCGC AAAAAAGTCA	60
	TGCCGCCTTC TTTACAACCG TGATCATTCC ADCCATTGTT GGGGG	105
	(2) INFORMATION FOR SEQ ID NO: 131:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
Ŧ	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 131:	
H., H. H., H	CCCTTTAGTT TCTCTCGCTT TAGTGGGGTT ATTGGTCAGC ATCACACCGC AAAAAAGTCA	60
Jan E	TGCCGCCTTC TTTACAACCG TGATCATTCC GGCCATTGTT GGGGG	105
£ 1 1 1	(2) INFORMATION FOR SEQ ID NO: 132:	
0	(A) LENGTH: 105 base pairs (B) TYPE: nucleic acid	
	(ii) MOLECULE TYPE: DNA (genomic)	
±	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 132:	
	CCCTTTAGTT TCTCTCGCTT TAGTGGGGTT ATTGGTCAGC ATCACACCGC AAAAAAGTCA	60
	TGCCGCCTTC TTTACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
	(2) INFORMATION FOR SEQ ID NO: 133:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 133:	
	CCCTTTAGTT TCTCTCGCTT TAGTGGGGCT ATTGGTCAGC ATCACACCGC AAAAAAGTCA	60
	TGCCGCCTTC TTTACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
	(2) INFORMATION FOR SEQ ID NO: 134:	
'8 E.s.	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
1	(ii) MOLECULE TYPE: DNA (genomic)	
Ch de the test in the test	(iii) HYPOTHETICAL: NO	
4	(iv) ANTI-SENSE: NO	
4 mm m		
÷	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 134: CCCTTTAGTT TCTCTCGCTT TAGTGGGGTT ATTGGTCAGC ATCACACCGC AAAAAAGTCA	60
4	TGCCGCCTTT TTCACAACCG TGATCATTCC GGCCATTGTT GGGGG	105
	(2) INFORMATION FOR SEQ ID NO: 135:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 135:

	TGCCGCCT'	TC TTTACAACCG TGATTATCCC GGCCATTGTT GGGGG	105
	(2) INFO	RMATION FOR SEQ ID NO: 136:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: NO	
· 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 136:	
T 7	CCCTTTAG	TT TCTCTCGCTT TAGTGGGGCT ATTGGTCAGC ATCACCAC AAAAAAGTCA	60
C T T T T T T T T T T T T T T T T T T T	TGCCGCCT	TTT TTTACAACCG TGATCATTCC AGCCATTGTT GGGAG	105
TH 4E	(2) INFO	ORMATION FOR SEQ ID NO: 137:	
Ila dina dina Ila d	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
B- 4A	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 137:	
	CCCTTTA	GTT TCTCTCGCTT TAGTGGGGCT ATTGGTCAGC ATCACACCAC AAAAAAGTCA	60
	TGCCGCC	TTT TTTACAACCG TGATCATTCC AGCCATTGTT GGAGG	105
	(2) INF	ORMATION FOR SEQ ID NO: 138:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	

CCCTTTAGTT TCTCTCGCTT TAGTGGGGCT ATTGGTCAGC ATCACACCGC AAAAAAGTCA

(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(vi) CEOUENCE DECOLUMNON, CDO TO NO. 100	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 138:	
CCCTCTGGTA TCTCTCGCTT TAGTGGGGGCT ATTGGTCAGC ATCACCCGC AAAAAAGTCA	60
TGCCGCCTTC TTTACAACCG TGAATATTCC AGCMATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 139:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 139:	
CCCTCTGGTT TCTCTCGCTT TAGTGGGGCT ATTGGTCAGC ATCACACCGC AAAAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC GGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 140:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) AMET_CENCE, NO	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 140:	
	CCCTCTGGTT TCTCTCGCTT TAGTGGGGCT ATTGGTCAGC ATCACACCGC AAAAAAGTCA	60
	TGCCGCCTTC TTTACAACCG TGATCATTCC AGCMATTGTT GGGGG	105
	(2) INFORMATION FOR SEQ ID NO: 141:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
٠	(iv) ANTI-SENSE: NO	
虚		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 141:	
	CCCTCTGGTT TCTCTCGCTT TAGTGGGGCT ATTGGTCAGC ATCACACCGC AAAAAAGTCA	60
M. 10	TGCCGCCTTC TTTACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
1	(2) INFORMATION FOR SEQ ID NO: 142:	
4 4 1.4	(A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	
4	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 142:	
	CCCTCTGGTT TCTCTCGCTT TAGTGGGGCT ATTGGTCAGC ATCACACCAC AAAAAAGTCA	60
	TGCCGCCTTC TTTACAACCG TGATCATTCC AGCHATTGTT GGGGG	105
	(2) INFORMATION FOR SEQ ID NO: 143:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 105 base pairs(B) TYPE: nucleic acid	

<pre>(C) STRANDEDNESS: single (D) TOPOLOGY: linear</pre>	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 143:	
CCCTCTGGTT TCTCTCGCTT TAGTGGGGCT ATTGGTCAGC ATCACACCAC AAAAAAGTCA	60
TGCCGCCTTC TTTACAACCG TGATCATTCC AGCYATTGTT GGAGG	105
(2) INFORMATION FOR SEQ ID NO: 144:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 144:	
CCCTCTGGTT TCTCTCGCTT TAGTGGGGTT ATTGGTCAGC ATCACACCGC AAAAAAGTCA	60
TGCCGCCTTC TTTACAACCG TGATCATTCC AGCCATTGTT GGAGG	105
(2) INFORMATION FOR SEQ ID NO: 145:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 145:	
CCCTTTAGTT TCTCTCGCTT TAGTGGGGTT ATTGGTTAGC ATCACACCGC AAAAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATTATTCC AGCCATTGGT TGGGG	105
(2) INFORMATION FOR SEQ ID NO: 146:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 146:	
CCCTCTGGTT TCTCTCGCTT TAGTGGGGCT ATTGGTCAGC ATCACACCAC AAAAAAGTCA	60
TGCCGCCTTC TTTACAACCG TGATCATTCC AGCCATCGTT CCCCC	105
(2) INFORMATION FOR SEQ ID NO: 147:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 147:	
CCCTTTAGTT TCTCCTGTTT TAGCAGGAGC GTTGATTAGC TCCATACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 148:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 105 base pairs	

	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 148:	60
	CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGT GCCATACCGC AAGAAAGTCA	
	TGCCGCCTTT TTTACAACCG TAATCATTCC AGCTATTGTT GGGGG	105
	(2) INFORMATION FOR SEQ ID NO: 149:	
daji da, tali ang tan tah tan Be	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
E. CI	(ii) MOLECULE TYPE: DNA (genomic)	
Ī	(iii) HYPOTHETICAL: NO	
H (III HIII H	(iv) ANTI-SENSE: NO	
H- H-H	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 149:	
PR-10	CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AAGAGAGTCA	60
	TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGG	105
	(2) INFORMATION FOR SEQ ID NO: 150:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	

(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

(X1) SEQUENCE DESCRIPTION: SEQ ID NO: 150:	
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTTATTAGC GCCATACCGC AAGAGAGTCA	60
TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 151:	. 100
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 151:	
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AAGAAAGTTA	60
TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 152:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 152:	
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AACAAAGTCA	60
FGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 153:	
(i) SEQUENCE CHARACTERISTICS:	

(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 153:	
CCCTATTATT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC TCCATACCGC AAGAAAGTCA	60
TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 154:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 105 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 154:	
CCCTTTAGTT TCTCTCGTTT TAGCAGNAGC GTTNATTAGT GCCATACCGC AANANAGTCA	60
TGCCGCCTTT TTCACNACCG TNATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 155:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

(A) LENGTH: 105 base pairs

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 155:	
CCCTTTGGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTG GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 156:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 156:	
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 157:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 105 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 157:	
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AACAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 158:	103
(=) =::	

(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 105 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 158:	60
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC TCCATACCGC AACAAAGTCA	
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 159:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 159:	
CCCTTTAGTT TCTCTTGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 160:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 160:	
CCCTTTAGTT TCTCTTGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 161:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 161:	
CCCTTTGGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCVATTGTG GGGAG	105
(2) INFORMATION FOR SEQ ID NO: 162:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 162:	
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AAGAGAGTCA	60
TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 163:	

 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	•
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 163:	
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGT GCCATACCGC AAGAGAGTCA	60
TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 164:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 164:	
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGT GCCATACCGC AAGAGAGTCA	60
TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 165:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 165:	
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGGTTAGT GCCATACCGC AAGAGAGTCA	60
TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 166:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 105 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 166:	
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGT GCCATACCGC AAGAGAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC ARCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 167:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
	٠,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 167:	

60

105

CCCTTTAGTT TCTCTTGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AAGAGAGTCA

TGCCGCCTTT TTCACAACCG TAATCATTCC AGCCATTGTT GGGGG

(2) INFORMATION FOR SEQ ID NO: 168:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 168:	
CCCTTTAGTT TCTCTTGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AAGAGAGTCA	60
TGCCGCCTTT TTCACGACCG TAATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 169:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 105 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
•	
(vi) CEQUENCE DESCRIPTION, GRO TO NO. 160	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 169:	
CCCTTTAGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AAGAGAGTCA	60
TGCCGCCTTT TTCACAACCG TNATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 170:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 105 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	

:	, i
:	ij.,ļ
:	11
:	ű
:	F.
i	
:	r.
:	Ō
;	
:	÷
:	Ų
:	U
:	÷
:	7
	÷

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 170:	
CCCTTTGGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC TCCATACCGC AAGAGAGTCA	60
TGCCGCCTTT TTCACACCCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 171:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 105 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 171: CCCTTTGGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC TCCATACCGC AAGAGAGTCA TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGG	60 105
(2) INFORMATION FOR SEQ ID NO: 172:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 172:	
CCCTTTGGTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC TCCATACCGC AAGAGAGTCA	60

TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGG

105

	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: NO	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 173:	
	CCCTTTGG	TT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC TCCATACCGC AAGAGAGTCA	60
L L		TT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
# # ·		RMATION FOR SEQ ID NO: 174:	
Cast ding hast made than that the	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
i L	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
=	(iv)	ANTI-SENSE: NO	
÷			
		SEQUENCE DESCRIPTION: SEQ ID NO: 174:	
	CCCTTTAC	GTT TCTCTCGTTT TAGCAGGAGC GTTGATTAGC TCCATACCGC AAGAGAGTCA	60
	TGCCGCC	TTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
	(2) INFO	ORMATION FOR SEQ ID NO: 175:	
	(i)) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	

(2) INFORMATION FOR SEQ ID NO: 173:

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 175:	
CCCTTTAGTT TCTCTCGTTT TAGCANNAGC GTTGATTAGC RCCATACCGC AAGAGAGTCA 60)
TGCCGCCTTT TTTACAACCG TGATCATTCC AGCCATTGTT GGGGG 10!	ò
(2) INFORMATION FOR SEQ ID NO: 176:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 105 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 176:	
CCCTTTAGTT TCTCTTGTTT TAGCAGGAGC GTTGATTAGC GCCATACCGC AACAAAGTCA	0
TGCCGCCTTT TTCACGACCG TNATCATTCC AGCCATTGTT NNNNG 10	5
(2) INFORMATION FOR SEQ ID NO: 177:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

60

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 177:

CCCTCTGGTT TCTCTGGTTT TAGCAGGAGC GTTGATTAGC ATCACACCAC AACAAAGTCA

105

TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGG

1

IJ

٠ ٩

ij

4

111

13

±

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 180:	
CCCTCTGGTT TCTCTCGCTT TAGTAGGAGC ATTGGTCAGC ATCACACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGAGG	105
(2) INFORMATION FOR SEQ ID NO: 181:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 181: CCCTCTGGTT TCTCTCGCTT TAGTAGGAGC ATTGGTCAGC ATCACACCGC AACAAAGTCA	60
TGCCGCCTTT TTTACAACCG TGATCATTCC AGCCATTGTT GGAGG	105
(2) INFORMATION FOR SEQ ID NO: 182:	103
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 182:	

60

CCCTTTGGTT TCTCTCGCTT TAGTAGGAGC ATTGGTCAGC ATCACACCGC AACAAGTCA

TGCCGCCTTT TTCACGACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 183:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 105 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	·
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 183:	
CCCTCTGGTT TCTCTTGCTT TAGTAGGAGC GTTAGTCAGC ATCACACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 184:	200
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 184:	
CCCTCTAGTT TCTCTCGCTT TAGTAGGAGC ATTGGTCAGC ATCACACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTG GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 185:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 105 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	

(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 185:	
CCCTTTAGTT TCTCTTGCTT TAGTAGGAGC ATTGGTCAGC ATCACACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 186:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 186:	
CCCTCTNGTT TCTCTCGCTT TAGTAGNAGC ATTNGTCAGC ATCACACCGC AACANAGTCA	60
TGCCGCCTTT TTCACAACCG TNATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 187:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 187:

CCCTCTGGTT TCTCTCGCTT TAGTAGGAGC GTTGGTCAGC ATCACACCGC AACAAAGTCA	60
TGCCGCCTTT ATTACAACCG TGATCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 188:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 188:	
CCCTCTGGTT TCTCTTGCTT TAGTAGGAGC ATTGGTCAGC ATCACACCGC AACAAAGTCA	60
TGCCGCCTTT TTTACAACCG TGATTATTCC AGCCATTGTG GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 189:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 189:	
CCCTCTGGTT TCTCTTGCTT TAGTAGGAGC ATTGGTCAGC ATCACACCGC AACAAAGTCA	60
TGCCGCTCTT TTTACAACCG TGATTATTCC AGCCATTGTG GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 190:	,
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

	ź	<u>.</u>	
	=	1	
	=======================================		
	ī,	-	
	ii.	-	
:			
:	=		
:	1111	-	
ŧ			
:	=	ì	=
:			
	-	_	
	:		
		=	į
		=	

(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 190:	
CCCTCTGGTT TCTCTTGCTT TAGTAGGAGC ATTGGTCAGC ATCACACCGC AACAAAGTCA	60
TGCCGCTCTT TTTACAACCG TGATTATTCC AGCCATTGTG GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 191:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 191:	
CCCTCTGGTT TCTCTCGCTT TAGTAGGAGC ATTGGTCAGC ATCACACCGC AACAAAGTCA	60
TGCCGCTCTT TTTACAACCG TGATTATTCC AGCCATTGTG GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 192:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 192:

CCCTVTCCTT TCTCTTCCTT TACTACCACC ATTCTTTACV DVCAVACCCC ARCTAC	
CCCTYTGGTT TCTCTTGCTT TAGTAGGAGC ATTGRTTAGY RYCAYACCGC AACAAAGTCA	60
TGCCGCCTTT TTYACRACCG TGATCATTCC AGCCATTGTT GGRGG	105
(2) INFORMATION FOR SEQ ID NO: 193:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 193:	
CCCTATTATC TCTCTCGCTT TAGTAGGAGC ATTGGTCAGC ATCACACCGC AACAAAGTCA	60
TGCCGCCTTT TTCACAACCG TGTTCATTCC AGCCATTGTT GGGGG	105
(2) INFORMATION FOR SEQ ID NO: 194:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 194:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCACAAAGAG CGATAACGGG	120
CTAAACACTA GCACTTTGGA TTTTAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180

240

300

ACTACATCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACG

ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT

CGCATTGGTG TCGTTAGTTT GCAAACTGGC TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 195:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
/ :	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 195:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCACAAAGAG CGATAACGGG	120
CTAAACACTA GTGCTTTGGA TTTGAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACA	240
ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCG	300
CACATTGGTG TCGTTAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 196:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 196:	

60

GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA

AGAGTGAATG	GCCATAGCGC	TCATTTTAAA	AATATTGATG	CCACAAAGAG	CGATAACGGG	120
СТАААСАСТА	GCGCTTTGGA	TTTGAGCGGC	GTTACAGACA	AAGTCAATAT	CAACAAGCTC	180
ACTACATCTG	CCACTAATGT	GAACGTTAAA	AACTTTGACA	TTAAGGAATT	GGTGGTTACA	240
ACCCGAGTTC	AAAGTTTTGG	GCAATACACT	ATTTTTGGCG	AAAATATAGG	CGATAAGTCG	300
CGCATTGGTG	TCGTTAGTTT	GCAAACGGGA	TATAGCCCGG	CCTATTCTGG	GGGCGTTACT	360
ТТ						362

- (2) INFORMATION FOR SEQ ID NO: 197:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 362 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 197:

GTGGATGCTC	ATACAGCTTA	TTTTAATGGC	AATATTTATC	TGGGAAAATC	CACGAATTTA	60,
AGAGTGAATG	GCCATAGCGC	TCATTTTAAA	AATATTGATG	CCACAAAGAG	CGATAACGGG	120
СТАААСАСТА	GCGCTTTGGA	TTTGAGCGGC	GTTACAGACA	AAGTCAATAT	CAACAAGCTC	180
ACTACATCTG	CCACTAATGT	GAACGTTAAA	AACTTTGACA	TTAAGGAATT	GGTGGTTACA	240
ACCCGAGTTC	AAAGTTTTGG	GCAATACACT	ATTTTTGGCG	AAAATATAGG	CGATAAGTCG	300
CGCATTGGTG	TCGTTAGTTT	GCAAACGGGA	TATAGCCCGG	CCTATTCTGG	GGGCGTTACT	360
TT						362

- (2) INFORMATION FOR SEQ ID NO: 198:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 362 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO

	;	Ŀ	
	=	-	
	=	3	
	Ë	j	
:		-	
;	:	Mr., 4	
:	-	Ō	
:			
		å	
		U	
		Ľ	
		÷	
	:	Z.,,3	
		À	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 198:	
GTGGATGCTC ATACAGCTTA TTTTAATGGT AATATTTATC TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCACAAAGAG CGATAACGGG	120
CTAAACACTA GCGCTTTGGA TTTCAGCGGC GTTACAGATA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAACGT GAACATTAAA AACTTTGACA TTAAGGAATT GGTGGTTACA	240
ACCCGAGTTC AAAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTGAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362

- (2) INFORMATION FOR SEQ ID NO: 199:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 362 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 199:

*					
GTGGATGCTC ATAC	AGCTTA TTTTAATGGC	AATATTTATC	TGGGAAAATC	CACGAATTTA	60
AGAGTGAATG GCCA	TAGCGC TCATTTTAAA	AATATTGATG	CCAGTAAGAG	CGATAACGGG	120
CTAAACACTA GCAC	TTTGGA TTTTAGCGGC	GTTACAGACA	AAGTCAATAT	CAACAAGCTC	180
ACTACATCTG CCAC	TAATGT GAACGTTAAA	AACTTTGACA	TTAAGGAATT	GGTGGTTACA	240
ACCCGAGTTC AAAG	TTTTGG GCAATACACT	ATTTTTGGCG	AAAATATAGG	CGATCAGTCT	300
CGCATTGGTG TCGT	GAGTTT GCAAACGGGA	TATAGCCCGG	CTTATTCTGG	GGGCGTTACT	360
TT					362

(2) INFORMATION FOR SEQ ID NO: 200:

(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 200:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CTAGTAAGAG CGATAACGGG	120
CTAAACACTA GCGCTTTGGA TTTTAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT GGTGGTTACA	240
ACCCGAGTTC AAAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTGAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 201:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 2 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 201:	
WC .	2
(2) INFORMATION FOR SEQ ID NO: 202:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid	

(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
AND ADDRESS DESCRIPTION, SEC. ID NO. 202.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 202:	60
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATGTTTATC TGGGAAAATC CACGAATTTA	
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGCAAGAG CGATAACGGG	120
CTAAACACTA GTGCTTTGGA TTTTAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACA	240
ACCCGAGTTC AAAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTGAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 203:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
A CONTRACT DESCRIPTION. GEO. ID. NO. 203.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 203:	60
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATGTTTATC TGGGAAAATC CACGAATTTA	
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGCAAGAG CGATAACGGG	120
CTAAACACTA GTGCTTTGGA TTTTAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACA	240

(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

300

ACCCGAGTTC AAAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT

CGCATTGGTG TCGTGAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 204:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
()) 07077777	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 204:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATGTTTATC TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGCAAGAG CGATAACGGG	120
CTAAACACTA GTGCTTTGGA TTTTAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACA	240
ACCCGAGTTC AAAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTGAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 205:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 205:

GTGGATGCTC ATACAGCTTA TTTTAATGGC AATGTTTATC TGGGAAAATC CACGAATTTA 60

TT	10010/10111	00.22.00				362
<u> </u>	тсстсастт	GCAAACGGGA	TATAGCCCGG	CCTATTCTGG	GGGCGTTACT	360
ACCCGAGTTC	AAAGTTTTGG	GCAATACACT	ATTTTTGGCG	AAAATATAGG	CGATAAGTCT	300
ACTACATCTG	CCACTAATGT	GAACATTAAA	AACTTTGACA	TTAAGGAATT	AGTGGTTACA	240
СТАААСАСТА	GTGCTTTGGA	TTTTAGCGGC	GTTACAGACA	AAGTCAATAT	CAACAAGCTC	180
AGAGTGAATG	CCCATAGCGC	TCATTTTAAA	AATATTGATG	CCAGCAAGAG	CGATAACGGG	120

- (2) INFORMATION FOR SEQ ID NO: 206:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 362 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 206:

GTGGATGCTC	ATACAGCTTA	TTTTAATGGC	AATATTTATC	TGGGAAAATC	CACGAATTTA	60
AGAGTGAATG	GCCATAGCGC	TCATTTTAAA	AATATTGATG	CCACAAAGAG	CGATAACGGG	120
СТАААСАСТА	GCGCTTTGGA	TTTTAGTGGC	GTTACAGACA	AAGTCAATAT	CAACAAGCTC	180
ACTACATCTG	CCACTAATGT	GAACATTAAA	AACTTTGACA	TTAAGGAATT	AGTGGTTACA	240
ACCCGAGTTC	AAAGTTTTGG	GCAATACACT	ATTTTTGGCG	AAAATATAGG	CGATAAGTCT	300
CGCATTGGTG	TCGTTAGTTT	GCAAACGGGA	TATAGCCCAG	CCTATTCTGG	GGGCGTTACT	360
тт						362

- (2) INFORMATION FOR SEQ ID NO: 207:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 362 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO

(xi) SE	EQUENCE DESC	CRIPTION: SE	EQ ID NO: 20)7:		
GTGGATGCTC	ATACAGCTTA	TTTTAATGGC	AATATTTATC	TGGGAAAATC	CACGAATTTA	60
AGAGTGAATG	GCCATAGCGC	TCATTTTAAA	AATATTGATG	CCAGTAAGAG	CGATAACGGG	120
СТАААСАСТА	GTGCTTTGGA	TTTTAGCGGC	GTTACAGACA	AAGTCAATAT	CAACAAGCTC	180
ACTACATCTG	CCACTAATGT	GAACATTAAA	AACTTTGACA	TTAAGGAATT	AGTTGTTACA	240
ACCCGAGTTC	AAAGTTTTGG	GCAATACACT	ATTTTTGGCG	AAAATATAGG	CGATAAGTCT	300
CGCATTGGTG	TCGTTAGTTT	GCAAACGGGA	TATAGCCCAG	CCTATTCTGG	GGGCGTTACT	360
TT						362

- (2) INFORMATION FOR SEQ ID NO: 208:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 362 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 208:

GTGGATGCTC ATACAGCTTA	A TTTTAATGGC	AATATTTATC	TGGGAAAATC	CACGAATTTA	60
AAAGTGAATG GCCATAGCGG	CTCATTTTAAA	AATATTGATG	CCAGTAAGAG	CGATAATGGT	120
CTAAACACTA GCGCTTTGGA	A TTTTAGCGGC	GTTACAGACA	AAGTCAATAT	CAACAAGCTC	180
ACTACATCTG CCACTAATG	GAACATTAAA	AACTTTGACA	TTAAGGAATT	AGTGGTTACA	240
ACCCGTGTTC AGAGTTTTG	G GCAATACACT	ATTTTTGGCG	AAAATATAGG	CGATAAGTCT	300
CGCATTGGTG TCGTTAGTT	C GCAAATGGGA	TATAGCCCGG	CCTATTCTGG	GGGCGTTACT	360
TT					362

(2) INFORMATION FOR SEQ ID NO: 209:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 209:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AAAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGTAAGAG CGATAACGGG	120
CTAAACACTA GCGCTTTGGA TTTGAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACAGCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT GGTTGTTACG	240
ACCCGTGTTC AGAGTTTTGG ACAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTTAGTTT GCAAACGGGA TATAGCCCGG CTTATTCTGG GGGCGTTACT	360
TT .	362
(2) INFORMATION FOR SEQ ID NO: 210:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 210:	
GTGGATGCTC ATACAGCTAA CTTTAATGGC AATATTTATT TGGGAAAATC CACGAATTTA	60
AGGGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGTAAGAG CGATAACGGG	120
CTAAACACTA GCTCTTTGGA TTTCAGTGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACGTTAAA AACTTTGACA TTAAGGAATT GGTGGTTACA	240

ACCCGAGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAATTATAGG CGATAAGTCT	300
CGCATTGGTG TCGTTAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 211:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 211:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATT TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGTAAGAG CGATAACGGG	120
CTAAACACTA GTGCTTTGGA TTTTAGCGGC GTTACAGATA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACGTTAAA AACTTTGACA TTAAGGAATT GGTGGTTACA	240
ACCCGAGTTC AAAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTTAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 212:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 212:	
GTGGATGCCC ATACGGCTAA CTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AAAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCACAAAGAG CGATAACGGG	120
CTAAACACTA GCGCTTTGGA TTTGAGTGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACA	240
ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTTAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 213:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 213:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AAAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGTAAGAG CGATAATGGT	120
CTAAACACTA GTGCTTTGGA TTTGAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACAGCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACG	240
ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG AGATCAATCG	300
CGCATTGGTG TCGTTAGTTT GCAAACTGGC TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 214:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

TT

(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 214:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AAAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCACTAAGAG CGATAATGGT	120
CTAAACACTA GCGCTTTGGA TTTGAGCGGC GTTACAAACA AGGTCAATAT CAACAAGCTC	180
ACTACAGCTG CCACTAATGT GTCCATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACG	240
ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATCAATCG	300
CGCATTGGTG TCGTTAGTTT GCAAACTGGC TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 215:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 215:	
GTGGATGCTC ATACGGCTAA CTTTAATGGC AATGTTTATC TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGTAAGAG CGATAACGGG	120
CTAAACACTA GCGCTTTGGA TTTTAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT GGTGGTTACA	240
ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

360

362

CGCATTGGTG TCGTTAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT

(2) INFORMATION FOR SEQ ID NO: 216:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 216:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATGTTTATC TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGCAAGAG CGATAACGGG	120
CTAAACACTA GCGCTTTGGA TTTTAGCGGC GTTACAGATA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACA	240
ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTGAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 217:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 217:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATGTTTATC TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CTAGTAAGAG CGATAACGGG	120

CTAAACACTA GCGCTTTGGA TTTTAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC 180
ACTACATCTG CCACTAATGT GAACGTTAAA AACTTTGACA TTAAGGAATT AGTGGTTACA 240
ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT 300
CGCATTGGTG TCGTGAGTTT GCAAACGGGA TATAGCCCAG CCTATTCTGG GGGCGTTACT 360
TT 362
(2) INFORMATION FOR SEQ ID NO: 218:
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic)
(iii) HYPOTHETICAL: NO
(iv) ANTI-SENSE: NO
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 218:
GTGGACGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA 60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGCAAGAG CGATAACGGG 120
CTAAACACTA GCGCTTTGGA TTTCAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC 180
ACTACATCTG CCACTAATGT GAACGTTAAA AACTTTGACG TTAAGGAATT GGTGGTTACA 240
ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT 300
CGCATTGGTG TCGTGAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT 360
TT 362
(2) INFORMATION FOR SEQ ID NO: 219:
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(ii) MOLECULE TYPE: DNA (genomic)

	Ŀ
	==
	2
	<u> </u>
	ij
	П
:	냺
•	ű
:	
:	≟
:	1111
	firm
	2
	=
	d

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 219:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGCAAGAG CGATAACGGG	120
CTAAACACTA GCACTTTGGA TTTTAGCGGC GTTACAGATA AAGTCAATAT CAACAAGCTC	180
ACTACAGCTG CCACTAATGT GAACGTTAAA AACTTTGACA TTAAGGAATT AGTGGTTACA	240
ACCCGAGTTC AAAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTTAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 220:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 220:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATT TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGTAAGAG CGATAACGGG	120
CTAAACACTA GCGCTTTGGA TTTTAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACGTTAAA AACTTTGACA TTAAGGAATT AGTGGTTACA	240
ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTTAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 221:	

(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid

(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 221:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATT TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGTAAGAG CGATAACGGG	120
CTAAACACTA GTGCTTTGGA TTTTAGCGGC GTTACAGATA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACGTTAAA AACTTTGACA TTAAGGAATT GGTGGTTACA	240
ACCCGAGTTC AAAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTTAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 222:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 222:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AGATTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGTAAGAG CGATAACGGG	120
CTAAACACTA GCGCTTTGGA TTTTAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACGTTAAA AACTTTGACA TTAAGGAATT GGTGGTTACA	240
ACCCGAGTTC AGAGTTTTGG GCAATACTCT ATTTTTGGCG AAAATATAGG CGATAAGTCG	300

(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

CGCATTGGTG TCGTTAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT ·	362
(2) INFORMATION FOR SEQ ID NO: 223:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 223:	
GTGGACGCTC ATACAGCTTA TTTTAATGGC AATATTTATT TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCACAAAGAG CGATAACGGG	120
CTAAACACTA GCACTTTGGA TTTGAGCGGC GTTACAGACA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACG	240
ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTGAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 224:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 224:	

60

GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA

TT						362
CGCATTGGTG	TCGTTAGTTT	GCAAACGGGA	TATAGCCCGG	CCTATTCTGG	GGGCGTTACT	360
ACCCGTGTTC	AGAGTTTTGG	GCAATACACT	ATTTTTGGCG	AAAATATAGG	CGATAAGTCT	300
ACTACATCTG	CCACTAATGT	GAACATTAAA	AACTTTGACA	TTAAGGAATT	AGTGGTTACA	240
СТАААСАТТА	GCACTTTGGA	TTTTAGCGGC	GTTACAGACA	AAGTCAATAT	CAACAAGCTC	180
AGAGTGAATG	GCCATAGCGC	TCATTTTAAA	AATATTGATG	CCACAAAGAG	CGATAACGGG	120

- (2) INFORMATION FOR SEQ ID NO: 225:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 362 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 225:

GTGGATGCTC ATACAGCTTA	TTTTAATGGC	AATATTTATC	TGGGAAAATC	CACGAATTTG	60
AGAGTGAATG GCCATAACGC	TCATTTTAAA	AATATTGATG	CCAGTAAGAG	CGATAACGGG	120
CTAAACACTA GCACTTTGGA	TTTGAGCGGC	GTTACAGACA	AAGTCAATAT	CAACAAGCTC	180
ACTACAGCTG CCACTAATGT	GAACATTAAA	AACTTTGACA	TTAAGGAATT	AGTGGTTACG	240
ACCCGTGTTC AGAGTTTTGG	GCAATACACT	ATTTTTGGCG	AAAATATAGG	TGATAAGTCT	300
CGCATTGGTG TCGTTAGTTT	GCAAACGGGA	TATAGCCCGG	CCTATTCTGG	GGGCGTTACT	360
TT	,				362

- (2) INFORMATION FOR SEQ ID NO: 226:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 362 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO

	(X1) SI	EQUENCE DESC	CRIPTION: SI	EQ ID NO: 22	26:		
GTGG.	ATGCTC	ATACAGCTTA	TTTTAATGGC	AATGTTTATT	TGGGAAAATC	CACGAATTTA	60
AGAG	TGAATG	GCCATAGCGC	TCATTTTAAA	AATATTGATG	CCAGTGAGAG	CGATAACGGG	120
СТАА	ACACTA	GCGCTTTGGA	TTTTAGCGGC	GTTACAGACA	AAGTCAATAT	CAACAAGCTC	180
ACTA	CATCTG	CCACTAATGT	GAACGTTAAA	AACTTTGACA	TTAAGGAATT	GGTGGTTACG	240
ACCC	GTGTTC	AGAGTTTTGG	GCAATACACT	ATTTTTGGCG	AAAATATAGG	CGATAAGTCT	300
CGCA'	TTGGTG	TCGTTAGTTT	GCAAACGGGA	TGTCGCCCGG.	CCTGTTCTGG	GGGCGTTACT	360
TT			•				362

- (2) INFORMATION FOR SEQ ID NO: 227:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 362 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 227:

GGGGATGCTC	ATACAGCTTA	TTTTAATGGC	AATATTTATT	TGGGAAAATC	CACGAATTTA	60
AGAGTGAATG	GCCATAGCGC	TCATTTTAAA	AATATTGATG	CCAGTAAGAG	CGATAACGGG	120
CTAAACACTA	GCGYTTTGGA	TTTTAGCGGC	GTTACAGAYA	AAGTCAATAT	CAACAAGCTC	180
ACTACATCTG	CCACTAATGT	GAACRTTAAA	AACTTTGAYA	TTAAGGAATT	GGTGGTTACA	240
ACCCGAGTTC	AAAGTTTTGG	GCAATACACT	ATTTTTGGCG	AAAATATAGG	CGATMAGTCT	300
CGCATTGGTG	TCGTTAGTTT	GCAAACGGGA	TATAGCCCRG	CCTATTCTGG	GGGCGTTACT	360
TT						362

(2) INFORMATION FOR SEQ ID NO: 228:

(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 228:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCACAAAGAG CGATAATGGT	120
ATAAACACTA GCACTTTGGA TTTGAGCGGC GTTACAGACA AGGTCAATAT CAACAAGCTC	180
ATTACAGCTT CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT GGTGGTTACA	240
ACCCGTGTTC AAAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTTAGTTT GCAAACGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 229:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 229:	
GTGGATGCTC ATACGGCTAA CTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTTAA AATATTGATG CCAGCAAGAG CGATAACGGG	120

(i) SEQUENCE CHARACTERISTICS:

180

240

CTAAACACTA GCACCTTGGA TTTCAGTGGC GTTACAGACA AAGTCAATAT CAACAAGCTC

ACTACATCTG CCACTAATGT GAACGTTAAA AACTTTGATA TTAAGGAATT GGTGGTTACA

(iv) ANTI-SENSE: NO

	•
ACCCGAGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCG	300
CGCATTGGTG TCGTGAGTTT GCAAACGGGA TATAGCCCAG CTTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 230:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 230:	
	60
GTGGATGCTC ATACGGCTAA CTTTAATGGC AATATTTATT TGGGAAAATC CACGAATTTG	120
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGTAAGAG CGATAACGGG	
CTAAACACTA GCGCTTTGGA TTTTAGCGGC GTTACAGACA AAGTTAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACGTTAAA AACTTTGACA TTAAGGAATT GGTGGTTACA	240
ACCCGAGTTC AAAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCT	300
CGCATTGGTG TCGTGAGTTT GCAAACGGGA TATAGCCCTG CTTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 231:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	·
(ii) MOLECULE TYPE: DNA (genomic)	
(SSS) HYDOTHETTCAL. NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 231:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AGAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCAGTAAGAG CGATAACGGG	120
CTAAACACTA CCACTTTGGA TTTCAGCGGC GTTACAGATA AAGTCAATAT CAACAAGCTC	180
ACTACATCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACA	240
ACCCGAGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGCTG	300
CACATTGGTG TCGTGAGTTT GCAAACGGGA TATAGCCCAG CCTATTCTGG GGGGCTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 232:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 232:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AAAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CTAGTAAGAG CGATAACGGG	120
CTAAACACTA GCGCTTTGGA TTTGAGCGGC GTTACAAACA AGGTCAATAT CAACAAGCTC	180
ACTACAGCTG CCACTAATGT GAACATTAAA AACTTTGACA TTAAGGAATT GGTGGTTACA	240
ACCCGCGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATAAGTCG	300
CGCATTGGTG TCGTTAGTTT GCAAACTGGC TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 233:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

TT

(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 233:	
	60
ATGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	
AAAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCACTAAGAG CGATAATGGT	120
CTAAACACTA GCGCTTTGGA TTTGAGCGGC GTTACAAACA AGGTCAATAT CAACAAGCTC	180
ACTACAGCTG CCACTAATGT GTCCATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACG	240
ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATCAATCG	300
CGCATTGGTG TCGTTAGTTT GCAAACTGGC TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
ТТ	362
(2) INFORMATION FOR SEQ ID NO: 234:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 234:	
GTGGATGCTC ATACAGCTTA TTTTAATGGC AATATTTATC TGGGAAAATC CACGAATTTA	60
AAAGTGAATG GCCATAGCGC TCATTTTAAA AATATTGATG CCACTAAGAG CGATAATGGT	120
CTATACACTA GCGCTTTGGA TTTGAGCGGC GTTACAAACA AGGTCAATAT TAACACGCTC	180
ACTACAGCTG CCACTAATGT GTCCATTAAA AACTTTGACA TTAAGGAATT AGTGGTTACG	240
ACCCGTGTTC AGAGTTTTGG GCAATACACT ATTTTTGGCG AAAATATAGG CGATCAATCG	300

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

360

362

CGCATTGGTG TCGTTAGTTT GCAAACTGGC TATAGCCCGG CCTATTCTGG GGGCGTTACT

(2) INFORMATION FOR SEQ ID NO: 235:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 235:	
GTGGATGCCC ATACGATCAA TTTTAATGGC AATATGTATT TGGGAAGATT TACGCATTTA	60
AAAGTGAATG GTCATACAGC CAATTTTAAA GATATTGATG CCAGCAAGGG TAGAAATGGT	120
ATCGACACCA CCATTTTGGA TTTTAGCGGC GTTACAAACA AGGTCAATAT CAACAAGCTC	180
ACCACAGCTG CCACTAATGC GGCCATTAAA AATTTTGACA TTAAGGAATT GGTTGTTACA	240
ACCAATGTTT TGAGTGTGGG GAAATACACT GATTTTACCG AAGATATAGG CGATCAATCC	300
CGCATTGGTA TCGTGCGTTT GCAAATGGGA TATAGCCCGG CCTATTCTGG GGGCGTTACT	360
TT	362
(2) INFORMATION FOR SEQ ID NO: 236:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 362 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 236:	
GTGGATGCCC ATACGATCAA TTTTAATGGC AATATGTATT TGGGAAGATT CACGCATTTA	60
AAAGTGAATG GTCATACAGC CAATTTTAAA GATATTGATG CCAGCAAGGG TAGAAATGGT	120

ATCGACACCA	CCATTTTGGA	TTTTAGCGGC	GTTACAAACA	AGGTCAATAT	CAACAAGCTC	180
ACCACAGCTG	CCACTAATGC	GGCCATTAAA	AATTTTGACA	TTAAGGAATT	GGTTGTTACA	240
ACCAATGTTT	TGAGTGTGGG	GAAATACACT	GATTTTACCG	AAGATATAGG	CGATCAATCC	300
CGCATTGGTA	TCGTTAGTTT	GCAAACGGGA	TATAGCCCGG	CCTATTCTGG	GGGCGTTACT	360
ТT			•			362
(2) INFORM	ATION FOR S	EQ ID NO: 2	37:			
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 362 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 						

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 237:

GTGGATGCCC	ATACGATCAA	TTTTAATGGC	AACATGTATT	TGGGAAGATT	CACGCATTTA	60
AAAGTGAATG	GCCATACAGC	CAATTTTAAA	GATATTGATG	CCAGCAAGGG	TAGAAATGGT	120
ATCGACACCA	CTATTTTGGA	TTTTAGCGGC	GTTACAGACA	AAGTCAATAT	CAACAAGCTC	180
ACTACAGCTG	CCACTAATGT	GTCCATTAAA	AACTTTGACA	TTAAGGAATT	GGTTGTTACA	240
ACCAATGTTT	TGAGTGTGGG	GAAATACACT	GATTTTACCG	AAGATATAGG	CGATCAATCG	300
CACATTGGTG	TCGTTAGTTT	GCAAACTGGC	TATAGCCCGG	TCTATTCTGG	GGGCGTTACT	360
тт			•			362

- (2) INFORMATION FOR SEQ ID NO: 238:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 288 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO; 238:	
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATTAC GGCTTCCACT	120
AATGTGGCCG CTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGGGTGAGT	180
GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240
CGTTTGGAAA CTGGCACTAG GTCAATCTAT TCTGGCGGTG TTAAATTT	288
(2) INFORMATION FOR SEQ ID NO: 239:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 239:	
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATCAC AGCTTCCACT	60 120
TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATCAC AGCTTCCACT	120
TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATCAC AGCTTCCACT AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGTGTGAGT	120 180
TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATCAC AGCTTCCACT AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGTGTGAGT GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	120 180 240
TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATCAC AGCTTCCACT AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGTGTGAGT GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TTAAATTT (2) INFORMATION FOR SEQ ID NO: 240: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	120 180 240
TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATCAC AGCTTCCACT AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGTGTGAGT GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TTAAATTT (2) INFORMATION FOR SEQ ID NO: 240: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	120 180 240

(iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 240:	
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATCAC AGCTTCCACT	120
AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGGATAAGT	180
GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGAAGTC AATCGCGCAT CAATACCGTG	240
CGTTTGGAAA CTGGCACTAG ATCAATCTTT TCTGGGGGTG TTAAATTT	288
(2) INFORMATION FOR SEQ ID NO: 241:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 241:	
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GCAATGGTGG TTTCAACACC	60
	120
TTAGATTTTA GTGGCGTTAC AGACAAGGTC AATATCAACA AGCTCATTAC AGCTTCCACT	180
AATGTGGCCA TTAAAAACTT CAACATTAAT GAATTGTTGG TTAAGACCAA TGGGGTGAGC	
GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240
CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288
(2) INFORMATION FOR SEQ ID NO: 242:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	

(iii) HYPOTHETICAL: NO

	à
:	3
	Ī
:	£ EJ
:	4
	Õ
:	
	÷
:	
	ij
:	å
:	HII

í	(i 17)	ANTT-	-SENSE:	NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 242:	
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
TTAGATTTTA GTGGCGTTAC AGACAAGGTC AATATCAACA AGCTCATTAC AGCTTCCACT	120
AATGTGGCCA TTAAAAACTT CAACATTAAT GAATTGGTTG TTAAGACCAA TGGGGTGAGT	180
GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAACACCGTG	240
CGTTTGGAAA CTGGCACTAG GTCAATCTAT TCTGGGGGTG TTAAATTT	288
(2) INFORMATION FOR SEQ ID NO: 243:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 243:	
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATCAC GGCTTCCACT	120
AATGTGGCCG TTAAAAACAA CAACATTAAT GAATTGGTGG TTAAAACCAA TGGGATAAGT	180
GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240
CGTTTGGAAA CAGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288
(2) INFORMATION FOR SEQ ID NO: 244:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(xi) SE	QUENCE DESC	RIPTION: SE	Q 1D NO: 24	4:		
GTGGATGCTC	ATACAGCTAA	TTTTAAAGGT	ATTGATACTG	GTAATGGTGG	TTTCAACACC	60
TTAGATTTTA	GTGGTGTTAC	AAACAAAGTC	AATATCAACA	AGCTCATTAC	AGCTTCCACT	120
AATGTGGCCG	TTAAAAACTT	CAACATTAAT	GAATTGTTGG	TTAAGATTAA	TGGGGTGAGT	180
GTGGGGGAAT	ACACTTATTT	TAGCGAAGAT	ATAGGCAGTC	AATCGCGCAT	CAACACCGTG	240
CGTTTGGAAA	CTGGCACTAG	GTCAATCTAT	TCTGGCGGTG	TTAAATTT		288

- (2) INFORMATION FOR SEQ ID NO: 245:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 288 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 245:

GTGGATGCTC	ATACAGCTAA	TTTTAAAGGT	ATTGATACTG	GTAATGGTGG	TTTCAACACC	60
TTAGATTTCA	GTGGTGTTAC	AGACAAGGTC	AATATCAACA	AGCTCATTAC	AGCTTCCACT	120
AATGTGGCCA	TTAAAAACTT	CAACATTAAT	GAATTGGTGG	TTAAAACCAA	TGGTATAAGC	180
GTGGGGGAAT	ACACTCATTT	TAGCGAAGAT	ATAGGCAGTC	AATCGCGCAT	CAACACCGTG	240
CGTTTGGAAA	CTGGCACTAG	GTCAATCTAT	TCTGGCGGTG	TTAAATTT		288

- (2) INFORMATION FOR SEQ ID NO: 246:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 288 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)

	2	<u>:</u>	
	=	-	
	=	-	
	1111	=	
		-	
:	,	=	
:	;	٠.	
:			-
:			
		=	
		4	1
		in the same	2
			5,
	:	2	3
	•	;	ì

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 246:	
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACTG GTAATGGTGG TTTCAACACC	60
TTAGATTTCA GTGGTGTTAC AGACAAGGTC AATATCAACA AGCTCATTAC AGCTTCCACT	120
AATGTGGCCA TTAAAAACTT CAACATTAAT GAATTGGTGG TTAAAACCAA TGGTATAAGC	180
GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240
CGTTTGGAAA CTGGCACTAG GTCAATCTAT TCTGGCGGTG TTAAATTT	288
(2) INFORMATION FOR SEQ ID NO: 247:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 288 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 247:	
GTGGATGCCC ATACAGCTAA TTTTAAAGGT ATTGATACTG GTAATGGTGG TTTCAACACC	60
TTAGATTTCA GTGGCGTTAC AAACAAAGTC AATATCAACA AGCTCATTAC AGCTTCCACT	120
AATGTGGCCA TTAAAAACTT CAACATTAAT GAATTGGTGG TTAAAACCAA TGGTATAAGC	180
GTGGGGGAAT ACACTAATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAACACCGTG	240
CGTTTGGAAA CTGGCACTAG GTCAATCTAT TCTGGCGGTG TTAAATTT	288
(2) INFORMATION FOR SEQ ID NO: 248:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

(ii) MOLECULE TYPE: DNA (genomic)

		•
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 248: GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATCAC AGCTTCCACT AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGGGTGAGT	60 120 180
	GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240
	CGTTTGGAAA CTGGCACTAG GTCAATCTAT TCTGGCGGTG TTAAATTT	288
	(2) INFORMATION FOR SEQ ID NO: 249:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
. 4	(ii) MOLECULE TYPE: DNA (genomic)	
: 1	(iii) HYPOTHETICAL: NO	
B. C. C. C.	(iv) ANTI-SENSE: NO	
13	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 249:	
	GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
	TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATCAC AGCTTCCACT	120
	AATGTGGCCG CTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGGGTGAGT	180
	GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240
	CGTTTGGAAA CTGGCACTAG GTCAATCTAT TCTGGCGGTG TTAAATTT	288
	(2) INFORMATION FOR SEQ ID NO: 250:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 288 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	-	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 250:	
	GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
	TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATCAC AGCTTCCACT	120
	AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGTGTGAGT	180
	GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAACACCGTG	240
	CGTTTGGAAA CTGGCACTAG GTCAATCTAT TCTGGCGGTG TTAAATTT	288
	(2) INFORMATION FOR SEQ ID NO: 251:	
C. T.	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 288 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
. 4	(ii) MOLECULE TYPE: DNA (genomic)	
:	(iii) HYPOTHETICAL: NO	
4 33 33 4	(iv) ANTI-SENSE: NO	
크	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 251:	
	GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
	TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATTAACA AGCTCATTAC GGCTTCCACT	120
	AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGGGTGAGT	180
	GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240
•	CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TTAAATTT	288
	(2) INFORMATION FOR SEQ ID NO: 252:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs	

(ii) MOLECULE TYPE: DNA (genomic)

Charles and Charles by

å 14 ≟

(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear

(iv) ANTI-SENSE: NO	
A LA GROUPIUGE DEGENTAMION. GEO. ID. NO. 252.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 252:	
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
TTAGATTTTA GTGGTGTGAC AGGTATÁGTC AATATCAACA AGCTCATCAC AGCTTCCACT	120
AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGGGTGAGC	180
GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240
CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288
(2) INFORMATION FOR SEQ ID NO: 253:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 288 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 253:	
GTGGATGGTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATAAC GGCTTCCACT	120
AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGTGTGAGT	180
GTGGGGGAAT ACACTTATTT TAGCGAAGAT ATAGGCAGTC AATCGCACAT CAATACCGTG	240
CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288
(2) INFORMATION FOR SEQ ID NO: 254:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 288 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single	

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

A. C. C. C. C. C. C. C.

ıŌ

B 6... 6...

(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 254:	
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATTAC GGCTTCCACT	120
AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGTGTGAGT	180
GTGGGGGAAT ACACTTATTT TAGCGAAGAT ATAGGCAGTC AATCGCACAT CAATACCGTG	240
CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288
(2) INFORMATION FOR SEQ ID NO: 255:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 255:	
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
TTAGATTTTA GTGGTGTTAC AGACAAAGTC AATATCAACA AGCTCATCAC AGCTTCCACT	120
AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGGGTGAGT	180
GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240
CGTTTGGAAA CTGGCACCAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288
(2) INFORMATION FOR SEQ ID NO: 256:	

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 288 base pairs (B) TYPE: nucleic acid

(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 256:	
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
TTAGATTTTA GTGGTGTTAC AGACAAAGTC AATATCAACA AGCTCATTAC GGCTTCCACT	120
	180
AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGGGTGAGT	
GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240
≟ CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288
(2) INFORMATION FOR SEQ ID NO: 257:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
ii (ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 257:	
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
TTAGATTTTA GTGGTGTTAC AGACAAAGTC AATATCAACA AGCTCATTAC AGCTTCCACT	120
AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGGTTG TTAAAACCAA TGGGGTAAGT	180
GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCACAT CAATACCGTG	240
CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288

(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(2) INFORMATION FOR SEQ ID NO: 258:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 288 base pairs

(iii) HYPOTHETICAL: NO

	(iv) ANTI-SENSE: NO				
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 258:				
	GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60			
	TTAGATTTTA GTGGTGTTAC AAACAAGGTC AATATCAACA AGCTCATTAC GGCTTCCACT	120			
	AATGTGGCCA TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGGATGAGC	180			
, _	GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240			
4 1	CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288			
7	(2) INFORMATION FOR SEQ ID NO: 259:				
Pro 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	<pre>(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 259:</pre>				
	GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60			
	TTAGATTTTA GTGGTGTTAC AAACAAGGTC AATATCAACA AGCTCATTAC AGCTTCCACT	120			
	AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGGGTGAGC	180			
	GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240			

CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT

(2) INFORMATION FOR SEQ ID NO: 260:

(i) SEQUENCE CHARACTERISTICS:

(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(ii) MOLECULE TYPE: DNA (genomic)					
(iii) HYPOTHETICAL: NO					
(iv) ANTI-SENSE: NO					
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 260:					
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60				
TTAGATTTTA GTGGTGTTAC AAACAAGGTC AATATCAACA AGCTCATTAC GGCTTCCACT	120				
AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGATTG TTAAAACCAA TGGGGTGAGC	180				
GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240				
CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288				
(2) INFORMATION FOR SEQ ID NO: 261:					
(2) INFORMATION FOR SEQ ID NO: 261: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear					
(ii) MOLECULE TYPE: DNA (genomic)					
iii) HYPOTHETICAL: NO					
iv) ANTI-SENSE: NO					
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 261:					
GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60				
TTGGATTTTA GTGGCGTTAC AGACAAAGTC AATATCAACA AGCTCATTAC AGCTTCCACT	120				
AATGTGGCCA TTAAAAACTT CAACATTAAT GAATTGTTGG TTAAGACCAA TGGGGTGAGT	180				
GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAACACCGTG	240				
CGTTTAGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288				

(A) LENGTH: 288 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

(2) INFORMATION FOR SEQ ID NO: 262:

	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 262:	
	GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
	TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATTAC GGCTTCCACT	120
±	AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGTTGG TTAAGACCAA TGGGGTGAGT	180
	GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240
F L.J	CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288
In	(2) INFORMATION FOR SEQ ID NO: 263:	
H. 1., H. 6., 1., 1., 1., 1., 1., 1., 1., 1., 1., 1	(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic)	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 263:	
	GTGGATGCTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCAACACC	60
	TTAGATTTTA GTGGTGTTAC AGGTAAGGTC AATATCAACA AGCTCATTAC GGCTTCCACT	120
	AATGTAGCCG TTAAAAACTT CAACATTAAT GAATTGTTGG TTAAGACCAA TGGGGTGAGT	180
	GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAACACCGTG	240
	CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288

(i) SEQUENCE CHARACTERISTICS:

(ii) MOLECULE TYPE: DNA (genomic)

(2) INFORMATION FOR SEQ ID NO: 264:

(A) LENGTH: 288 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
		٠
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 264:	
	GTGGATGGTC ATACAGCTAA TTTTAAAGGT ATTGATACGG GTAATGGTGG TTTCCACACC	60
	TTAGATTTTA GTGGTGTTAC AGGTAAGGTC CATATCCACA AGCTCATTAC GGCTTCCACT	120
H., B.	AATGTGGCCG TTAAAAACTT CCACATTAAT GAATTGATTG GTAAAACCAA TGGGATAAGT	180
ij	GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG	240
T. E.	CGTTTGGAAA CTGGCACTAG GTCAATCTTT TCTGGGGGTG TCAAATTT	288
C. T. C.	(2) INFORMATION FOR SEQ ID NO: 265:	
fr. 4 4.	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 288 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
4	(ii) MOLECULE TYPE: DNA (genomic)	
4	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	·
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 265:	
	GCGAGCGCTC ATACGGTCAA TTTTAAAGAT ATTGATACTG GTAATGGTGG TTTCAACACC	60
	TTAGATTTTA GTGGTGTTAC AAACAAGGTC AATATCAACA AGCTCATTAC AGCTTCCACT	120
	AATGTGGCCA TTAAAAACTT CAACATTAAT GAATTGTTGG TTAAAACCAA TGGGATAAGT	180
	GTGGGGGAAT ACACTAATTT TAGCGAAGAT ATAGGCAATC AATCGCGCAT CAACACCGTG	240

(i) SEQUENCE CHARACTERISTICS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(A) LENGTH: 288 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single

CGTTTGGAAA CTGGCACCAG GTCAATCTAT TTTGGGGGTG TTAAATTA

	(iv) ANTI-SENSE: NO	
: 5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 266:	
	GCGAGCGCTC ATACGGTCAA TTTTAAAGAT ATTGATACTG GTAATGGTGG TTTCAACACC	60
	TTAGACTTTA GTGGTGTTAC AAACAAGGTC AATATCAACA AGCTCATTAC AGCTTCCACT	120
	AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGTTGG TTAAAACCAA TGGGATAAGT	180
	GTGGGGGAAT ACACTAATTT TAGCGAAGAT ATAGGCAATC AATCGCGCAT CAACACCGTG	240
	CGTTTGGAAA CTGGCACTAG GTCAATCTAT TCTGGGGGTG TTAAATTT	288
- J	(2) INFORMATION FOR SEQ ID NO: 267:	
4 1.11 14 4 4 4 4	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 267:	
	GCGAGCGCTC ATACGGTCAA TTTTAAAGAT ATTGATACTG GTAATGGTGG TTTCAACACC	60
	TTAGACTTTA GTGGTGTTAC AAACAAGGTC AATATCAACA AGCTCATTAC AGCTTCCACT	120
	AATGTGGCCA TTAAAAACTT CAACATTAAT GAATTGTTGG TTAAAACCAA TGGGATAAGT	180
	GTGGGGGAAT ACACTAATTT TAGCGAAGAT ATAGGCAATC AATCGCACAT CAACACCGTG	240
	CGTTTAGAAA CTGGCACTAG GTCAATCTAT TCTGGGGGTG TTAAGTTT	288

(2) INFORMATION FOR SEQ ID NO: 266:

(iii) HYPOTHETICAL: NO

(i) SEQUENCE CHARACTERISTICS:

(ii) MOLECULE TYPE: DNA (genomic)

(A) LENGTH: 288 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

CACC				
CACT				
AAGT				
CGTG				
(2) INFORMATION FOR SEQ ID NO: 269:				
ΆA				

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 269:

GTGGATGCCC ATACGGTCAA TTTTAAAGGT ATTGATACTG GTAATGGTGG TTTCAACACC

TTAGATTTCA GTGGTGTTAC AGACAAGGTC AATATCAACA AGCTCATTAC AGCTTCCACT

AATGTGGCCA TTAAAAACTT CAACATTAAT GAATTGGTGG TTAAAACCAA TGGTATAAGC

GTGGGGGAAT ACACTCATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG

(2) INFORMATION FOR SEQ ID NO: 268:

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(iv) ANTI-SENSE: NO

(i) SEQUENCE CHARACTERISTICS:

(ii) MOLECULE TYPE: DNA (genomic)

(A) LENGTH: 288 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

60

120

180

240

288

60

120

180

	CGTTTGGAAA CTGGCACTAG GTCAATCTAT TCTGGCGGTG TTAAATTT	288
	(2) INFORMATION FOR SEQ ID NO: 270:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 288 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 270:	
	GCGAGCGCTC ATACGGTCAA TTTTAAAGAT ATTGATACTG GTAATGGTGG TTTCAACACC	60
4 [1]	TTAGACTTTA GTGGTGTTAC AAACAAGGTC AATATCAACA AACTCATTAC AGCTTCCACT	120
7	AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGTTGG TTAAAACCAA TGGGATAAGT	180
	GTGGGGGAAT ACACTAATTT TAGCGAAGAT ATAGGCAATC AATCGCGCAT CAACACCGTG	240
ٿِي. :	CGTTTAGAAA CTGGCACCAG GTCAATCTAT TCTGGGGGTG TTAAGTTT	288
B. L. H. W. C. C. D.		200
	(2) INFORMATION FOR SEQ ID NO: 271: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	•
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 271:	
	GCGAGCGCTC ATACGGTCAA TTTTAAAGAT ATTGATACTG GTAATGGTGG TTTCAACACC	60
	TTAGACTTTA GTGGTGTTAC AAACAAGGTC AATATCAACA AACTCATTAC AGCTTCCACT	120
	AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGTTGG TTAAAACCAA TGGGATAAGT	180

GTGGGGGAAT ACACTAATTT TAGCGAAGAT ATAGGCAGTC AATCGCGCAT CAATACCGTG

I

١Ō

111

Ш

4

<u>.</u>

180

AATGTGGCCG TTAAAAACTT CAACATTAAT GAATTGTTGG TTAAAACCAA TGGGATAAGT

CGTTTGGAAA CTGGCACTAG GTCAATCTAT TCTGGGGGTG TTAAGTTT	288
(2) INFORMATION FOR SEQ ID NO: 274:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 274:	
GCGAGCGCTC ATACGGTCAA TTTTAAAGAT ATTGATACTG GTAATGGTGG TTTCAACACC	60
TTAGACTTTA GTGGTGTTAC AAACAAGGTC AATATCAACA AGCTCATTAC AGCTTCCACT	120
TTAGACTTTA GTGGTGTTAC AAACAAGGTC AATATCAACA AGCTCATTAC AGCTTCCACT AATGTGGCCG TTAAAAAACTT CAACATTAAT GAATTGTTGG TTAAAAACCAA TGGGATAAGT GTGGGGGAAT ACACTAATTT TAGCGAAGAT ATAGGCAATC AATCGCGCAT CAACACCGTG	180
GTGGGGGAAT ACACTAATTT TAGCGAAGAT ATAGGCAATC AATCGCGCAT CAACACCGTG	240
CGTTTAGAAA CTGGCACTAG GTCAATCTAT TCTGGGGGTG TTAAATTT	288
i de la companya del companya de la companya del companya de la co	
(2) INFORMATION FOR SEQ ID NO: 275: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 275:	60
GCGAGCGCTC ATACGGTCAA TTTTAAAGAT ATTGATACTG GTAATGGTGG TTTCAATACC	
TTAGACTTTA GTGGTGTTAC AAACAAGGTC AATATCAACA AGCTCATTAC AGCTTCCACT	120
AATGTGGCCA TTAAAAATTT CAACATTAAT GAATTGTTGG TTAAAACCAA TGGGATAAGT	180

GTGGGGGAAT ACACTAATTT TAGCGAAGAT ATAGGCAATC AATCGCGCAT CAACACCGTG

	GTGGGGGAAT ACACTAATIT TAGCGAAGAI ATAGGCAGIC AAICGCGCAI CAACACCGIG	240
	CGTTTAGAAA CTGGCACTAG GTCAATCTAT TCTGGGGGTG TTAAGTTT	288
	(2) INFORMATION FOR SEQ ID NO: 276:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 276:	
	ACGAGCGCTC ATACGGTCAA TTTTAAAGAT ATTGATACTG GTAATGGTGG TTTCAACACC	60
	TTAGACTTTA GTGGTGTTAC AAACAAGGTC AACATCAACA AGCTCATTAC AGCTTCCACT	120
T II	AATGTGGCCA TTAAAAACTT CAACATTAAT GAGTTGTTGG TTAAAACCAA TGGGATAAGT	180
ER E. E. E. E. E. L. I.	GTGGGGGAAT ACACTAATTT TAGCGAAGAT ATAGGCAATC AATCGCGCAT CAACACCGTG	240
4	CGTTTAGAAA CTGGCACTAG GTCAATCTAT TCTGGGGGTG TTAAGTTT	288
B. B. B. B. C. B.	(2) INFORMATION FOR SEQ ID NO: 277:	
	(B) TYPE: nucleic acid	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: NO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 277:	
	ATGGAAATAC AACAAACACA C	21
	(2) INFORMATION FOR SEQ ID NO: 278:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 19 base pairs(B) TYPE: nucleic acid	

(C) STRANDEDNESS: single

		(D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: NO	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 278:	
	CTGCTTGA	AT GCGCCAAAC	19
	(2) INFO	RMATION FOR SEQ ID NO: 279:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
- I	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: NO	
:n	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 279:	
ij	CACAGCCA	CT TTCAATAACG A	21
-	(2) INFO	RMATION FOR SEQ ID NO: 280:	
		SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: NO	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 280:	
	CGTCAAAA	TA ATTCCAAGGĠ	20